

State of California
The Resources Agency

DEPARTMENT OF WATER RESOURCES
Division of Operations and Maintenance

STATE WATER PROJECT OPERATIONS DATA

For the month of:
**July
2011**

Edmund G. Brown Jr.
Governor
State of California

John Laird
Secretary for Resources
The Resources Agency

Mark Cowin
Director
Department of Water Resources

This monthly report of operational data for the State Water Project has been published since January 1965. Monthly SWP Operations Data Reports from January 1990 have been made available on the Internet at <http://www.water.ca.gov/swp/operationscontrol/projectwide.cfm>. It provides the State Water Service Contractors, public agencies, consultants and others with the daily and monthly status of the Project's water and power operations.

Revisions to these data will appear in the Annual Report of Operations reflecting corrections made after the monthly summaries have been printed.

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State of California
Department of Water Resources
P.O. Box 942836
Sacramento, CA 94236-0001

Or call the DWR Publications Desk at (916) 653-1097

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MARK COWIN, Director

Department of Water Resources
DALE HOFFMAN-FLOERKE, Chief Deputy Director

PAUL HELLIKER Deputy Director	GARY BARDINI Deputy Director	CARL TORGERSEN Deputy Director	JOHN PACHECO Deputy Director	KATHIE KISHABA Deputy Director
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DIVISION OF OPERATIONS AND MAINTENANCE

David Duval..... Chief, Division of Operations and Maintenance

This report was prepared under the direction of

David Roose..... Office Chief, Operations Control Office
John Leahigh..... Principal Engineer, Water Operations office
Tracy Hinojosa Branch Chief, Regulatory Compliance and Reporting Branch

By the Reporting Section

(Vacant)..... Section Chief, Reporting Section
Michael Nolasco..... Water Resources Engineering Associate (Specialist)
Mary Valdez Water Resources Engineering Associate (Specialist)
Clay Thomas Water Resources Engineering Associate (Specialist)

The organization shown above represents staff and positions relevant to this report as of publication date on October 2013. It is the Department's policy to not show staff in "Acting" or "Temporary" positions.

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MONTHLY HIGHLIGHTS

The following activities highlight actions that affected State Water Project operations during July 2011:

Statewide precipitation was about 140 percent of average for the 2010 - 2011 water-year through July 31. Precipitation percentages are used in this report to express historical and regional comparisons. Additional and more specific information is available on the internet at:
[“http://cdec.water.ca.gov/snow_rain.html”](http://cdec.water.ca.gov/snow_rain.html).

Snowpack data is compiled four times annually, for the months of January, February, March, and April, by the California Department of Water Resources in Bulletin 120. The Bulletin also contains forecasts of seasonal runoff volume from the state's major watersheds, summaries of precipitation, and reservoir storages in various regions of the State.

July snowpack data is not available.

Cumulative unimpaired runoff for the Sacramento River Region for the 2010 - 2011 water-year was 24.1 maf, 136 percent of average. Statewide runoff for the 2010 - 2011 water-year was 140 percent of average.

Statewide reservoir storage was 120 percent of average to date. Total storage in major SWP reservoirs at the end of July was about 5.00 maf compared to 3.48 maf at this time in 2010. On July 31, end-of-month storage at Lake Oroville was about 3.50 maf, as compared to 2.41 maf at this time in 2010. The State share of San Luis Reservoir's end-of-month storage was about 907 taf, as compared with 516 taf at this time in 2010. The combined storage in SWP's southern reservoirs was about 600 taf, compared with about 556 taf at this time in 2010.

SWP water deliveries to date through July were about 2.8 maf. Water deliveries are a combination of project, transfer, and exchange classifications. Total deliveries through this same period in 2010 were 1.75 maf.

COA accounting remained suspended at zero in July. Conditions in the Delta remained in “Excess”. Excess conditions exist when upstream reservoir releases plus unregulated natural flow exceed Sacramento Valley in-basin uses, plus exports..

There were four measurable earthquakes in July within the vicinity of the SWP; no facilities were found to meet inspection criteria. Total spill at Lake Oroville in July was 50,216 af. On July 11, Banks PP was forced out of service due to electrical panel fire, causing station service to trip and 163 MW of deviation to day ahead schedule.

Table 1. Antelope Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 22,566 ac-ft

July 2011

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	Water Supply Contract	Water Right					
Jun 30	5002.45	22,984									
1	5002.43	22,966	-18	40	0	0	36	6	82	73	
2	5002.39	22,928	-38	40	0	0	30	6	76	57	
3	5002.35	22,891	-37	40	0	0	26	6	72	53	
4	5002.32	22,862	-29	40	0	0	22	6	68	53	
5	5002.29	22,834	-28	40	0	0	19	6	65	51	
6	5002.25	22,797	-37	40	0	0	15	6	61	42	
7	5002.23	22,778	-19	30	0	0	13	6	49	39	
8	5002.23	22,778	0	20	0	0	13	5	38	38	
9	5002.23	22,778	0	20	0	0	13	6	39	39	
10	5002.23	22,778	0	20	0	0	13	5	38	38	
11	5002.23	22,778	0	20	0	0	13	6	39	39	
12	5002.21	22,760	-18	20	0	0	11	5	36	27	
13	5002.21	22,760	0	20	0	0	11	6	37	37	
14	5002.19	22,741	-19	20	0	0	11	5	36	26	
15	5002.19	22,741	0	20	0	0	10	6	36	36	
16	5002.17	22,722	-19	20	0	0	10	5	35	25	
17	5002.17	22,722	0	20	0	0	8	6	34	34	
18	5002.17	22,722	0	20	0	0	8	5	33	33	
19	5002.15	22,704	-18	20	0	0	2	6	28	19	
20	5002.15	22,704	0	20	0	0	2	5	27	27	
21	5002.13	22,685	-19	20	0	0	2	6	28	18	
22	5002.13	22,685	0	20	0	0	5	5	30	30	
23	5002.11	22,667	-18	20	0	0	4	6	30	21	
24	5002.09	22,648	-19	20	0	0	3	5	28	18	
25	5002.09	22,648	0	20	0	0	3	6	29	29	
26	5002.10	22,657	9	20	0	0	3	5	28	33	
27	5002.07	22,629	-28	20	0	0	2	6	28	14	
28	5002.06	22,620	-9	20	0	0	2	5	27	22	
29	5002.04	22,601	-19	20	0	0	1	6	27	17	
30	5002.03	22,592	-9	20	0	0	1	5	26	21	
31	5002.00	22,564	-28	20	0	0	0	6	26	12	
Total cfs-days				---	750	0	0	312	174	1,235	
Total ac-ft				-420	1,488	0	0	619	344	2,450	
										2,030	

Table 2. Frenchman Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 55,477 ac-ft

July 2011

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	1/ Water Supply Contract	Water Right					
Jun 30	5588.01	55,491									
1	5587.96	55,412	-79	0	44	0	0	10	54	14	
2	5587.91	55,333	-79	0	44	0	0	10	54	14	
3	5587.87	55,270	-63	0	44	0	0	10	54	22	
4	5587.76	55,097	-173	0	44	0	0	10	54	-33	
5	5587.72	55,034	-63	0	34	0	0	10	44	12	
6	5587.70	55,002	-32	0	27	0	0	10	37	21	
7	5587.68	54,971	-31	0	27	0	0	10	37	21	
8	5587.60	54,846	-125	0	27	0	0	10	37	-26	
9	5587.55	54,767	-79	0	27	0	0	10	37	-3	
10	5587.50	54,689	-78	0	27	0	0	10	37	-2	
11	5587.48	54,658	-31	0	27	0	0	10	37	21	
12	5587.42	54,564	-94	0	26	0	0	9	35	-12	
13	5587.37	54,486	-78	0	29	0	0	9	38	-1	
14	5587.32	54,408	-78	0	31	0	0	9	40	1	
15	5587.26	54,314	-94	0	31	0	0	9	40	-7	
16	5587.21	54,236	-78	0	31	0	0	9	40	1	
17	5587.15	54,143	-93	0	31	0	0	9	40	-7	
18	5587.09	54,050	-93	0	43	0	0	9	52	5	
19	5586.99	53,895	-155	0	51	0	0	9	60	-18	
20	5586.91	53,771	-124	0	51	0	0	9	60	-3	
21	5586.83	53,647	-124	0	51	0	0	9	60	-3	
22	5586.75	53,523	-124	0	51	0	0	9	60	-3	
23	5586.68	53,415	-108	0	51	0	0	9	60	6	
24	5586.59	53,277	-138	0	51	0	0	9	60	-10	
25	5586.51	53,154	-123	0	51	0	0	9	60	-2	
26	5586.41	53,000	-154	0	51	0	0	9	60	-18	
27	5586.33	52,877	-123	0	51	0	0	9	60	-2	
28	5586.26	52,770	-107	0	46	0	0	9	55	1	
29	5586.19	52,663	-107	0	46	0	0	9	55	1	
30	5586.12	52,556	-107	0	46	0	0	9	55	1	
31	5586.03	52,419	-137	0	46	0	0	9	55	-14	
Total cfs-days				---	0	1,237	0	0	290	1,527	-21
Total ac-ft				-3,072	0	2,454	0	0	576	3,030	-42

1/ Last Chance Creek Water District.

Table 3. Lake Davis

Daily Operation

(in acre-feet except as noted)

Capacity: 84,371 ac-ft

July 2011

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	Water Right 1/	Water Supply Contract 2/					
Jun 30	5772.36	74,104									
1	5772.36	74,104	0	13	3	1.0	0	22	38	38	
2	5772.33	73,992	-112	13	3	1.0	0	22	38	-18	
3	5772.31	73,916	-76	13	3	1.0	0	22	38	0	
4	5772.29	73,841	-75	13	3	1.0	0	22	38	1	
5	5772.29	73,841	0	13	3	1.0	0	22	38	38	
6	5772.26	73,729	-112	13	3	1.0	0	22	38	-18	
7	5772.25	73,692	-37	13	3	1.0	0	22	38	20	
8	5772.24	73,654	-38	12	3	1.0	0	22	38	19	
9	5772.21	73,542	-112	12	3	1.0	0	22	38	-18	
10	5772.19	73,467	-75	12	3	1.0	0	22	38	1	
11	5772.17	73,392	-75	12	3	1.0	0	22	38	1	
12	5772.14	73,280	-112	12	3	1.0	0	22	38	-18	
13	5772.12	73,205	-75	12	3	1.0	0	22	38	1	
14	5772.09	73,094	-111	12	3	1.0	0	22	38	-18	
15	5772.08	73,056	-38	12	3	1.0	0	22	38	19	
16	5772.06	72,982	-74	12	3	1.0	0	22	38	1	
17	5772.02	72,833	-149	12	3	1.0	0	22	38	-37	
18	5772.00	72,758	-75	12	3	1.0	0	22	38	1	
19	5771.97	72,647	-111	12	3	1.0	0	22	38	-18	
20	5771.94	72,535	-112	12	3	1.0	0	22	38	-18	
21	5771.93	72,498	-37	12	3	1.0	0	22	38	20	
22	5771.91	72,424	-74	13	3	1.0	0	22	38	1	
23	5771.88	72,313	-111	13	3	1.0	0	22	38	-18	
24	5771.86	72,238	-75	13	3	1.0	0	22	38	1	
25	5771.82	72,090	-148	13	3	1.0	0	22	38	-36	
26	5771.80	72,016	-74	13	3	1.0	0	22	38	1	
27	5771.76	71,868	-148	13	3	1.0	0	22	38	-36	
28	5771.74	71,794	-74	13	3	1.0	0	22	38	1	
29	5771.75	71,831	37	13	3	1.0	0	22	38	57	
30	5771.75	71,831	0	13	3	1.0	0	22	38	38	
31	5771.75	71,831	0	13	3	1.0	0	22	38	38	
Total cfs-days				---	386	79	31	0	694	1,190	
Total ac-ft				-2,273	765	157	61	0	1,376	2,360	
										87	

1/ Includes unclassified non-project diversions to local agencies (Valberti and Romelli).

2/ Includes 61 AF to Grizzly Ranch and 0 AF to Plumas County.

Table 4. Lake Oroville

Daily Operation

(in acre-feet except as noted)

Capacity: 3,537,580 ac-ft

July 2011

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow							Inflow	
				Hyatt Powerplant Generation 1/	Palermo Canal 2/	Lime Saddle Marina	Butte County Del Oro	Evaporation 3/	Spill	Total Outflow	Hyatt Powerplant Pumpback	Computed Inflow 4/
Jun 30	898.55	3,514,713										
	1	898.67	3,516,601	1,888	11,130	24	0	0	253	4,473	15,880	0
	2	898.77	3,518,175	1,574	13,823	24	0	0	307	0	14,154	0
	3	898.82	3,518,962	787	13,836	24	0	0	422	0	14,282	0
	4	898.96	3,521,167	2,205	13,612	24	0	0	431	0	14,067	0
	5	899.15	3,524,161	2,994	11,167	24	0	0	412	0	11,603	0
	6	899.36	3,527,472	3,311	11,180	24	0	0	441	0	11,645	0
	7	899.37	3,527,629	157	10,896	24	0	0	393	3,200	14,513	0
	8	899.33	3,526,999	-630	10,529	24	0	0	508	5,798	16,859	0
	9	899.61	3,531,417	4,418	9,314	24	0	0	402	0	9,740	0
	10	899.78	3,534,101	2,684	9,886	24	0	0	346	0	10,256	0
	11	899.63	3,531,732	-2,369	5,212	24	0	0	326	9,192	14,754	0
	12	899.53	3,530,154	-1,578	9,315	24	0	0	298	4,388	14,025	0
	13	899.55	3,530,469	315	10,792	24	0	0	317	0	11,133	0
	14	899.47	3,529,207	-1,262	11,896	24	0	0	230	0	12,150	0
	15	899.59	3,531,100	1,893	10,171	24	0	0	288	0	10,483	0
	16	899.58	3,530,942	-158	11,148	24	0	0	298	0	11,470	0
	17	899.52	3,529,996	-946	11,067	24	0	0	240	0	11,331	0
	18	899.38	3,527,788	-2,208	10,977	24	0	0	326	0	11,327	0
	19	899.36	3,527,472	-316	11,065	24	0	0	335	0	11,424	0
	20	899.39	3,527,945	473	10,505	24	0	0	316	0	10,845	0
	21	899.30	3,526,526	-1,419	10,361	24	0	0	412	0	10,797	0
	22	899.25	3,525,737	-789	10,212	25	0	0	402	0	10,639	0
	23	899.11	3,523,531	-2,206	9,399	26	0	0	335	0	9,760	0
	24	899.10	3,523,373	-158	8,474	26	0	0	335	0	8,835	0
	25	899.48	3,529,365	5,992	3,623	26	0	0	335	0	3,984	0
	26	899.17	3,524,476	-4,889	7,020	26	0	1	393	2,446	9,886	0
	27	898.90	3,520,222	-4,254	7,018	26	0	1	364	4,664	12,073	0
	28	898.63	3,515,972	-4,250	7,081	26	0	1	364	4,403	11,875	0
	29	898.36	3,511,725	-4,247	6,987	26	0	1	382	3,996	11,392	0
	30	898.05	3,506,854	-4,871	7,019	26	0	1	334	3,828	11,208	0
	31	897.69	3,501,203	-5,651	7,029	26	1	1	286	3,828	11,171	0
Total			-13,510	301,744	763	1	6	10,831	50,216	363,561	0	350,051

1/ Includes bypass flows

2/ South Feather Water and Power Agency

3/ Evaporation will be zero for days when there is precipitation or heavy overcast.

4/ Does not include pumpback.

**Table 5. Thermalito Forebay
Including Diversion Pool and Power Canal**

Daily Operation

(in acre-feet except as noted)

July 2011

Capacity: 25,120 ac-ft

Date	Storage 1/	Storage Change	Inflow			Outflow					Losses (-) And Gains (+)
			Lake Oroville Releases 2/	Kelly Ridge Generation	Thermalito Pumping- Generating Plant Pumpback	Thermalito Pumping- Generating Plant Generation 3/	Butte County Cal Water	Thermalito Irrigation District	Releases To River 4/	Hyatt Powerplant Pumpback	
Jun 30	23,870										
1	24,492	622	15,603	447	0	15,653	3	9	1,351	0	1,588
2	24,437	-55	13,823	466	0	13,167	3	9	1,353	0	188
3	24,504	67	13,836	466	0	13,127	3	9	1,355	0	259
4	24,554	50	13,612	466	0	12,899	3	9	1,353	0	236
5	24,456	-98	11,167	466	0	10,514	3	9	1,351	0	146
6	23,796	-660	11,180	461	0	10,870	3	9	1,353	0	-66
7	23,445	-351	14,096	460	0	13,412	3	9	1,412	0	-71
8	23,973	528	16,327	429	0	15,317	3	9	1,349	0	450
9	24,014	41	9,314	444	0	7,455	3	9	1,351	0	-899
10	24,115	101	9,886	446	0	8,170	3	9	1,351	0	-698
11	23,520	-595	14,404	371	0	13,822	3	9	1,751	0	215
12	23,784	264	13,703	425	0	12,014	3	9	1,367	0	-471
13	23,910	126	10,792	426	0	9,615	3	9	1,363	0	-102
14	23,642	-268	11,896	405	0	10,711	3	9	1,396	0	-450
15	23,669	27	10,171	404	0	8,966	3	9	1,351	0	-219
16	23,628	-41	11,148	365	0	9,715	3	9	1,355	0	-472
17	23,564	-64	11,067	413	0	10,209	3	9	1,355	0	32
18	23,413	-151	10,977	429	0	10,286	3	9	1,355	0	96
19	23,731	318	11,065	426	0	9,752	3	9	1,359	0	-50
20	24,025	294	10,505	427	0	9,139	3	9	1,353	0	-134
21	23,923	-102	10,361	430	0	9,562	3	9	1,353	0	34
22	24,160	237	10,212	414	0	8,988	3	9	1,357	0	-32
23	24,246	86	9,399	453	0	8,841	3	9	1,355	0	442
24	24,077	-169	8,474	406	0	8,108	3	9	1,371	0	442
25	24,023	-54	3,623	406	0	3,020	3	9	1,373	0	322
26	23,361	-662	9,466	405	0	8,790	3	9	1,373	0	-358
27	24,118	757	11,682	341	0	9,867	3	9	1,375	0	-12
28	24,125	7	11,484	154	0	10,458	3	9	1,373	0	212
29	24,052	-73	10,983	486	0	10,611	3	9	1,375	0	456
30	24,065	13	10,847	371	0	10,200	1	9	1,375	0	380
31	24,052	-13	10,857	285	0	10,080	0	5	1,375	0	305
Total		182	351,960	12,793	0	323,338	88	275	42,639	0	1,769

1/ Sum of Thermalito Forebay and Diversion Pool.

2/ Sum of releases from Lake Oroville through Hyatt plant, and spill.

3/ Includes Bypass flows at Thermalito.

4/ The sum of the flows from fish barrier dam and the fish hatchery.

Table 6. Thermalito Afterbay

Daily Operation
(in acre-feet except as noted)

Capacity: 57,040 ac-ft

July 2011

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow					Losses (-) and Gains (+)	Total Releases to River 2/
				Thermalito Pumping-Generating Plant Generation 1/	Sutter Butte Canal	Western Canal Lateral	Richvale Canal	Western Canal	Afterbay River Outlet	Thermalito Pumping-Generating Plant Pumpback		
Jun 30	133.11	43,261	2,711	15,653	3,055	22	696	1,089	7,775	0	-305	9,126
1	133.81	45,972		13,167	2,896	22	694	1,131	6,684	0	-755	8,037
2	134.06	46,957		13,127	2,856	22	694	1,271	6,704	0	-1,025	8,059
3	134.20	47,512		12,899	2,856	24	653	1,410	6,684	0	-1,033	8,037
4	134.26	47,751		10,514	2,856	24	635	1,571	6,704	0	-189	8,055
5	133.89	46,286		10,870	2,876	24	633	1,773	6,208	0	-414	7,561
6	133.62	45,228		13,412	2,936	24	674	1,952	5,693	0	-917	7,105
7	133.93	46,444		15,317	3,015	24	734	2,003	7,180	0	-975	8,529
8	134.28	47,830		7,455	3,015	24	766	2,003	7,736	0	722	9,087
9	132.90	42,463		8,170	3,055	24	772	2,043	3,709	0	155	5,060
10	132.56	41,185		12,014	3,114	24	774	2,003	3,669	0	-681	5,420
11	133.50	44,762		9,615	3,174	24	776	1,944	3,669	0	303	5,036
12	134.21	47,552		10,711	3,174	24	774	1,970	3,689	0	-579	5,052
13	134.06	46,957		8,966	3,174	24	789	2,222	3,491	0	-432	5,125
14	133.89	46,286		9,715	3,174	24	793	2,162	3,332	0	-373	4,842
15	133.87	46,208		10,209	3,193	24	793	2,162	3,332	0	-308	4,687
16	133.83	46,050		8,988	3,213	24	793	2,182	3,332	0	-863	4,687
17	133.86	46,168		9,752	3,174	24	781	2,222	3,094	0	-624	4,687
18	133.78	45,854		9,139	3,114	24	774	2,261	2,698	0	-771	4,453
19	133.75	45,736		9,562	3,055	24	774	2,222	2,559	0	-386	4,051
20	133.89	46,286		8,841	3,074	24	783	2,142	2,579	0	-378	3,912
21	133.90	46,326		8,108	3,074	24	793	2,083	2,579	0	-334	3,936
22	133.87	46,208		8,790	3,015	24	783	2,182	2,499	0	-357	3,934
23	133.63	45,267		9,867	3,015	32	809	2,122	2,539	0	-496	3,950
24	132.16	39,705		10,458	3,035	36	823	2,083	2,559	0	-73	3,892
25	132.24	39,999		10,611	3,035	36	813	2,083	2,559	0	7	3,872
26	132.74	41,859		10,200	2,995	36	813	2,083	2,539	0	510	3,914
27	132.95	42,652		10,080	2,995	36	813	2,103	2,539	0	-1,129	3,932
28	133.37	44,259		10,611	2,995	36	813	2,083	2,559	0	-478	3,934
29	133.74	45,697		10,200	2,995	36	813	2,083	2,539	0	-296	3,914
30	134.04	46,878		10,080	2,995	36	813	2,103	2,539	0	-413	3,914
Total		3,617		323,338	94,420	794	23,539	60,920	127,161	0	-12,887	169,800

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

Table 7. Oroville-Thermalito Complex

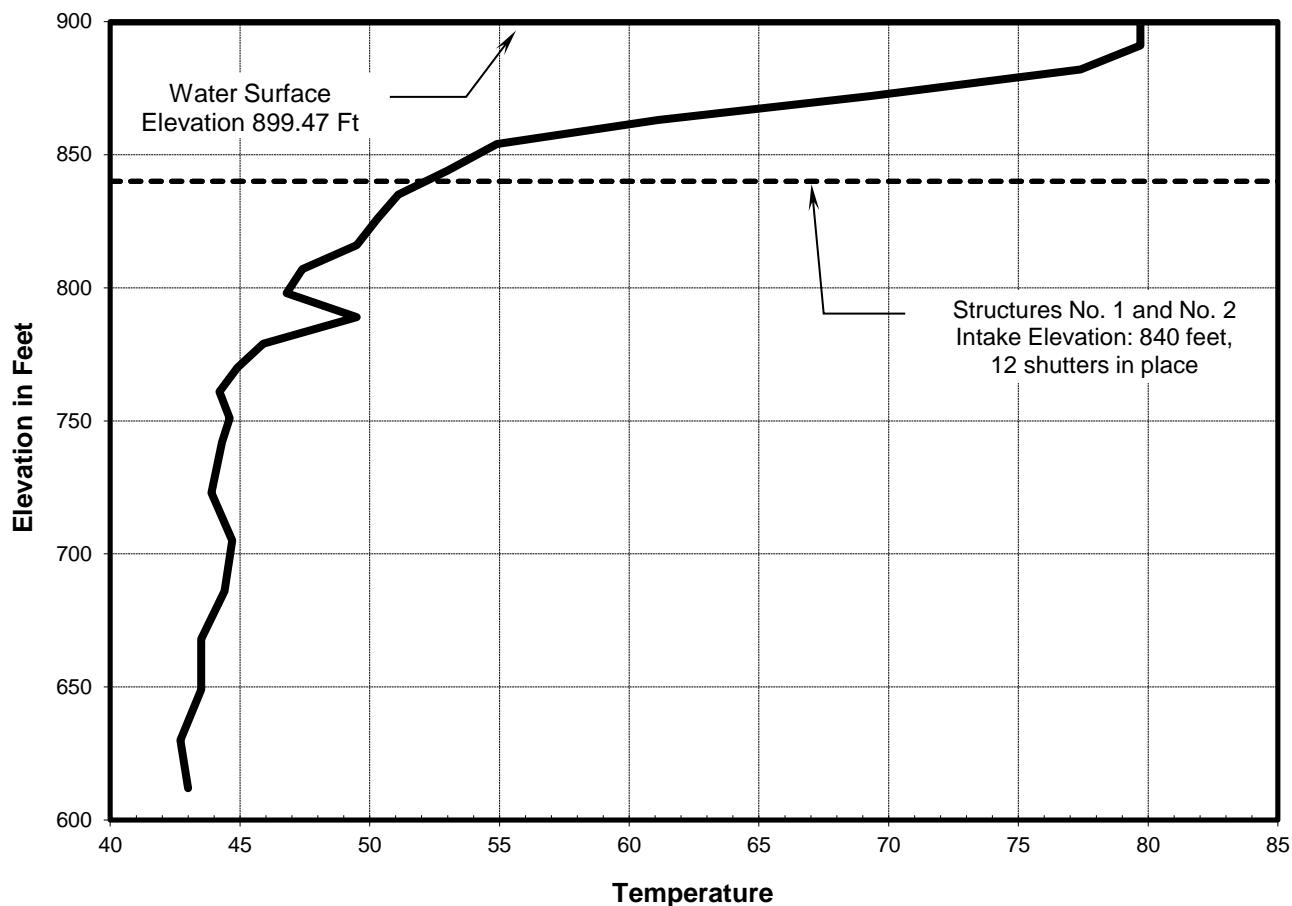
Water Temperature Data

(in degrees Fahrenheit)

July 2011

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	60.4	56
2	61.2	55
3	64.1	55
4	64	55
5	64	55
6	63.6	55
7	62.9	55
8	64.5	56
9	63.2	55
10	62.2	55
11	61.9	55
12	62.7	56
13	63.3	56
14	64.3	56
15	64.2	56
16	63.6	56
17	64	57
18	64.7	57
19	65.6	57
20	65.6	57
21	64.8	57
22	64.5	57
23	63.8	57
24	63.8	57
25	63.8	57
26	65.7	57
27	66.9	57
28	66.1	57
29	64.7	58
30	64	58
31	64	58

**Lake Oroville Temperature Profile
on July 20, 2011**



Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

Table 8. North Bay Aqueduct
Delta Field Division, Monthly Deliveries

July 2011

(In acre-feet)

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		No.			Table A	Permit	Article 21	Pool A	Other	
	No.	Structure	Mile								
1	1	Barker Slough Pumping Plant	0.17	(Into the North Bay Aqueduct)	5,708	315	100	234	1,169		
		Travis Surge Tank	8.78								
			8.80	Solano County Water Agency Travis AFB	315						
			10.54	Solano County Water Agency Fairfield / Vacaville 24"	334						
				Solano County Water Agency Fairfield / Vacaville 42"	2,069						
			17.00	Solano County Water Agency Central Solano	Stub	1/ 100	21	300	772		
		Cordelia Forebay	21.23								
3A	2	Cordelia Pumping Plant & Cordelia Spillway	21.30		3,030						
		Napa Pipeline	21.33	Solano County Water Agency Vallejo	421	400	6	1,230	95		
				Solano County Water Agency Benicia	1,172						
		Cordelia Surge Tank	23.33			2/ 200					
		Creston Surge Tank Connection	25.65								
			26.95	Napa County Flood Control & WCD American Canyon 2	6						
			27.27	Napa County Flood Control & WCD American Canyon 3	0						
		Napa Terminal Tank	27.58	City of Napa	1,230						
			27.60	Napa County Flood Control & WCD American Canyon 1	295						

1/ Includes 3 AF of Napa Co. FC&WCD Table A through Solano Co.'s turnout (Reach 3A) for delivery to American Canyon.

Table 9. Delta Field Division Plant Data

(in acre-feet)

July 2011

Date	North Bay Aqueduct		California Aqueduct		South Bay Aqueduct			
	Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant		
			Total	SWP		Into Lake	Into Aqueduct	Gravity Flow Through Plant Into Aqueduct
1	166	85	13,737	13,737	514	0	0	0
2	176	86	14,016	14,016	507	0	0	0
3	177	94	14,016	14,016	518	0	0	0
4	198	115	14,016	14,016	535	0	0	0
5	210	122	14,016	14,016	521	0	0	0
6	215	122	13,948	13,948	522	0	0	0
7	172	88	14,016	14,016	449	0	0	0
8	181	94	14,016	14,016	546	0	0	0
9	206	117	13,904	13,904	546	0	0	0
10	196	107	13,857	13,857	528	0	0	0
11	174	87	12,965	12,965	541	0	0	0
12	169	79	14,074	14,074	440	0	0	0
13	154	87	14,060	14,060	542	0	0	0
14	187	88	13,868	13,868	547	0	0	0
15	205	106	14,053	14,053	547	0	0	0
16	202	108	14,072	14,072	534	0	0	0
17	188	104	14,072	14,072	518	0	0	0
18	192	109	12,455	12,455	515	0	0	0
19	190	101	14,106	14,106	460	0	0	0
20	190	94	14,104	14,104	460	0	0	0
21	207	104	14,063	14,063	460	0	0	7
22	209	111	14,057	14,057	460	0	0	65
23	192	108	14,505	14,505	457	0	0	59
24	176	88	14,073	14,073	460	0	0	20
25	160	80	14,518	14,518	460	0	0	30
26	204	115	14,072	14,072	460	0	0	59
27	200	109	14,092	14,092	495	0	0	44
28	184	94	14,090	14,090	547	0	0	10
29	218	115	14,079	14,079	547	0	0	3
30	210	113	14,016	14,016	546	0	0	0
31	0	0	0	0	0	0	0	0
Total	5,708	3,030	418,936	418,936	15,182	0	0	297

Table 10. Clifton Court Forebay

Daily Operation of Gates

July 2011

Date	Time										Amount of inflow in Acre-Feet
	Opened	Closed									
1	00:01	04:30	07:00	13:30	16:30	20:45					14,227
2	00:01	05:50	08:55	13:30	16:30	21:45					14,220
3	00:01	06:00	08:30	14:45	17:15						14,152
4		06:45	09:15	15:30	18:30						14,235
5		07:45	10:00	16:15	18:15						14,230
6		08:45	11:00	17:00	23:36						14,217
7		10:00	12:15	17:45	23:56						14,225
8		07:15	10:15	17:00							14,225
9	02:00	08:30	11:30	17:45							14,226
10	02:45	09:30	12:30	18:44							14,222
11	00:01	00:45	03:45	10:30	13:30	20:15					14,232
12	00:01	01:45	04:45	11:30	14:30	20:10					14,223
13	00:01	02:45	05:30	12:15	15:56						14,224
14		04:45	06:15	12:00	16:00	21:05					14,220
15	00:01	04:45	07:00	13:30	16:30	22:45					14,223
16	00:01	05:30	07:45	14:15	17:59	21:50					14,212
17	00:01	06:15	08:30	14:45	17:45	21:10					14,226
18	00:01	07:00	09:15	15:30	18:30	22:45					14,220
19	00:01	07:45	10:00	15:50	19:00	23:35					14,209
20	00:01	08:45	10:45	16:20	19:30	23:40					14,272
21	00:30	09:45	11:35	17:15	20:20						13,668
22		06:45	09:45	22:00							14,229
23	01:00	07:45	10:45	22:45							14,233
24	01:45	08:45	11:45	21:00							14,216
25	02:30	09:45	12:45	21:27							14,235
26	00:01	00:45	03:30	10:30	13:30	21:30					14,215
27	00:01	01:45	04:15	11:15	14:15	21:45					14,231
28	00:01	02:45	05:15	12:00	15:00	21:15					14,239
29	00:01	03:30	06:00	12:30	16:00	21:00					14,228
30	00:01	04:15	06:45	13:15	16:30	21:30					14,219
31	00:01	05:00	07:30	13:45	16:45	23:15					14,216
Total inflow for the month in AF:											440,369

Table 11. Governor Edmund G. Brown California Aqueduct

Delta Field Division, Monthly Deliveries

(In acre-feet)

July 2011

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		No.			Table A	USBR	Local Other	Pool A	Pool B		
	No.	Structure										
1A			1.83	Byron-Bethany I.D.	4,459			4,459				
1	1	Banks Pumping Plant	3.32		418,936							
		South Bay Pumping Plant	4.49	Bethany Reservoir (Into the South Bay Aquaduct)	15,182							
		Check No. 1	5.95									
			8.08	Alameda Co. Zone 7 WA Mountain House Golf Course	0							
	2	Check No. 2	12.01									
			12.47	Musco Olive	53							
		Check No. 3	18.29									
	3		22.16	Tracy Golf & Country Club	0							
		Check No. 4	23.99									
		Check No. 5	29.73									
		Check No. 6	34.24									
2A	7		35.22	Turlock Fruit Company Inflow	0							
		Check No. 7	39.91									
	8		42.46	Oak Flat Water District-A	85		85					
			42.9	Western Hills WD	188							
			43.81	Oak Flat Water District-B	388							
			44.64	Oak Flat Water District-C	82							
		Check No. 8	45.97									
	9		46.18	Oak Flat Water District-D	161	161	0	0	0	0		
				Oak Flat Totals:	716							
2B	Check No. 9	51.3										
	Check No. 10	56.86										
	Check No. 11	61.4										
		66.14	Veteran's Cemetery		52		52					
	Check No. 12	66.71			393,402							

Table 12. South Bay Aqueduct
Delta Field Division, Monthly Deliveries

July 2011

(In acre-feet)

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		No.	Structure	Mile		Table A	Local	Article 56C	Pool B	Recreation	Other
1	1	South Bay Pumping Plant	0.00	(into South Bay Aqueduct)		15,182	6	225	225	648	1/ 666	
			3.17	Granite - Vasco Rd. (Temp.)		0						
			3.18	Oakland Scavenger Zone 7		6						
		Check No. 1	3.91									
		Check No. 2	5.21									
	3		7.21	Zone 7 Water Agency Altamont		225						
		Check No. 3	9.49	Zone 7 Water Agency Patterson Storage Exchange Project Water		0						
		Check No. 4	10.68									
		Check No. 5	12.29									
			13.55	Zone 7 Water Agency Wente #1		203						
4	6		14.16	Zone 7 Water Agency Wente #2		154						
			14.31	Zone 7 Water Agency Ising		30						
		Check No. 6	14.65									
			14.78	Zone 7 Water Agency Arroyo Mocho Project Water		640						
		Check No. 7	16.38									
	8		16.57	Zone 7 Water Agency Wente #3		0						
			16.63	Zone 7 Water Agency Wente #4		106						
			16.69	Zone 7 Water Agency Norman Nursery		0						
			16.70	Zone 7 Water Agency Concannon Project Water		93						
		Del Valle Branch Pipeline Junction	18.63	Pumped into Lake Del Valle		0						
5	8			Pumped into South Bay Aqueduct		0						
				Gravity into South Bay Aqueduct		297						
		Deliveries through Del Valle Branch Pipeline		Zone 7 Water Agency Arroyo Valle #1 & #2								
				Project Water		251						
				Storage Exchange		211						
6				Inflow Release		0						
				East Bay Regional Park Dist.								
				Del Valle Recreation		19						
7				Zone 7 Water Agency Wente #5		117						
				Zone 7 Water Agency So. Livermore Project								
				Storage Release		1,100						
8				Project Water		2,044						
				Zone 7 - Kalthrof Detjens		91						
				ACWD - Vallecitos Project Water		0						
9				City of San Francisco San Antonio		0						
				ACWD - Bayside 1 & 2 Project Water								
		Mission Tunnel	28.97	Storage Exchange		1,310						
		Santa Clara Pipeline	35.86	S.C.V.W.D. Meter		1,000						
						7,088						

1/ Byron Bethany Irrigation District water transferred to Zone 7.

Table 13. Lake Del Valle
Daily Operation

Capacity: 77,106 ac-ft

July 2011

Date	Water Surface Elevation (feet)	Storage	Storage Change	Inflow		Outflow					Precipitation (inches)	
				Natural 1/	From South Bay Aqueduct	Arroyo Valle	South Bay Aqueduct 2/	Recreation Deliveries 3/	Evaporation	Total Outflow		
Jun 30	704.72	41,143										
1	704.71	41,135	-8	4	0	0	0	1	11	12	0.00	
2	704.69	41,121	-14	4	0	0	0	1	17	18	0.00	
3	704.69	41,121	0	20	0	0	0	1	19	20	0.00	
4	704.67	41,107	-14	6	0	0	0	1	19	20	0.00	
5	704.65	41,092	-15	4	0	0	0	1	18	19	0.00	
6	704.63	41,078	-14	6	0	0	0	1	19	20	0.00	
7	704.62	41,071	-7	12	0	0	0	1	18	19	0.00	
8	704.59	41,049	-22	-2	0	0	0	1	19	20	0.00	
9	704.57	41,035	-14	4	0	0	0	1	17	18	0.00	
10	704.54	41,013	-22	-7	0	0	0	1	14	15	0.00	
11	704.53	41,006	-7	7	0	0	0	1	13	14	0.00	
12	704.49	40,977	-29	-13	0	0	0	1	15	16	0.00	
13	704.47	40,963	-14	-4	0	0	0	1	9	10	0.00	
14	704.44	40,941	-22	-9	0	0	0	1	12	13	0.00	
15	704.43	40,934	-7	5	0	0	0	1	11	12	0.00	
16	704.40	40,912	-22	-8	0	0	0	1	13	14	0.00	
17	704.38	40,898	-14	-4	0	0	0	1	9	10	0.00	
18	704.37	40,891	-7	4	0	0	0	1	10	11	0.00	
19	704.35	40,876	-15	-1	0	0	0	1	13	14	0.00	
20	704.34	40,869	-7	7	0	0	0	0	14	14	0.00	
21	704.29	40,833	-36	-12	0	0	7	0	17	24	0.00	
22	704.19	40,762	-71	10	0	0	65	0	16	81	0.00	
23	704.09	40,690	-72	1	0	0	59	0	14	73	0.00	
24	704.03	40,647	-43	-9	0	0	20	0	14	34	0.00	
25	703.94	40,583	-64	-21	0	0	30	0	13	43	0.00	
26	703.84	40,511	-72	0	0	0	59	0	13	72	0.00	
27	703.76	40,454	-57	1	0	0	44	0	14	58	0.00	
28	703.72	40,426	-28	-1	0	0	10	0	17	27	0.00	
29	703.68	40,397	-29	-14	0	0	3	0	12	15	0.00	
30	703.65	40,376	-21	-6	0	0	0	0	15	15	0.00	
31	703.61	40,347	-29	-15	0	0	0	0	14	14	0.00	
Total				-796	-32	0	0	297	19	448	764	0.00

1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.

2/ Project water released to South Bay Aqueduct through Del Valle Pumping Plant.

3/ To East Bay Regional Park District.

NR=No Records

Table 14. Consolidated State-Federal O'Neill Forebay

Daily Operations

July 2011

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity 56,430 ac-ft

Date	Water Surface Elevation (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)				Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)	
				Pump In 1/	O'Neill Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	California Aqueduct	O'Neill Pumping Generating Plant (Generation)	Gianelli Pumping Generating Plant (Pumped)	Dos Amigos Pumping Plant	Deliveries 2/		
Jun 30	222.54	49,820											
1	222.27	49,102	-718	0	3,408	0	6,081	0	103	9,744	34	30	
2	221.29	46,521	-2,581	0	3,510	0	6,346	0	1,230	9,929	34	36	
3	220.99	45,734	-787	0	3,555	0	6,677	0	1,190	9,534	29	124	
4	221.80	47,861	2,127	0	3,485	0	6,403	0	0	8,841	30	55	
5	223.25	51,714	3,853	0	3,493	1,530	6,175	0	0	9,309	28	82	
6	223.35	51,982	268	0	3,475	0	6,216	0	0	9,948	27	419	
7	222.15	48,783	-3,199	0	3,461	0	6,257	0	1,266	10,167	31	133	
8	220.98	45,708	-3,075	0	3,300	0	6,431	0	666	10,966	25	376	
9	219.54	41,964	-3,744	0	3,265	0	6,223	0	0	11,667	25	316	
10	219.82	42,686	722	0	3,215	0	6,335	0	0	9,633	20	467	
11	219.64	42,222	-464	0	3,259	1,025	5,324	0	0	10,196	21	375	
12	220.45	44,322	2,100	0	3,170	2,048	6,832	0	0	11,456	23	488	
13	220.30	43,931	-391	0	1,824	3,070	6,347	0	0	11,664	29	255	
14	220.60	44,714	783	0	944	4,080	6,373	0	0	11,313	29	340	
15	221.42	46,863	2,149	0	1,228	4,069	6,138	0	0	10,709	26	383	
16	222.35	49,314	2,451	0	1,249	4,053	6,548	0	0	10,913	30	329	
17	223.85	53,323	4,009	0	1,684	4,032	6,465	0	0	10,313	32	185	
18	224.45	54,941	1,618	0	1,606	3,015	6,063	0	0	10,202	32	366	
19	223.75	53,054	-1,887	0	1,466	2,010	6,456	0	0	11,167	30	314	
20	223.19	51,554	-1,500	0	1,119	2,010	6,540	0	0	10,643	24	242	
21	222.43	49,527	-2,027	0	871	2,010	6,799	0	0	10,765	26	89	
22	221.56	47,230	-2,297	0	744	2,010	6,164	0	0	10,683	27	634	
23	222.22	48,969	1,739	0	730	4,020	6,738	0	0	10,927	24	340	
24	222.10	48,650	-319	0	718	2,010	6,782	0	0	10,116	20	465	
25	222.14	48,756	106	0	747	2,010	6,516	0	0	9,566	25	371	
26	222.37	49,368	612	0	629	4,013	6,445	0	0	10,928	26	176	
27	223.04	51,153	1,785	0	608	4,000	6,531	0	0	10,530	24	315	
28	221.31	46,574	-4,579	0	230	2,000	6,619	0	0	11,561	26	429	
29	220.81	45,263	-1,311	0	251	4,000	6,292	0	0	11,480	25	301	
30	220.93	45,577	314	0	462	4,000	6,694	0	0	11,344	22	368	
31	221.51	47,099	1,522	0	543	3,991	6,526	0	0	10,539	25	271	
Total				-2,721	0	58,249	65,006	198,336	0	4,455	326,753	829	9,074
Mean cfs				---	0	1,879	2,097	6,398	0	144	10,540	27	293
Acre-feet				-2,721	0	115,534	128,941	393,402	0	8,839	648,115	1,645	18,001

1/ Pump-in located at Mile 79.67R.

2/ Includes 161 AF delivered to DFG at O'Neill Forebay, 1 AF to Parks and Recreation and 0 AF to Cattle Program.

Table 15. Consolidated State-Federal San Luis Reservoir

Daily Operations

July 2011

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 2,027,835 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)			Computed Losses (-) Gains (+) (cfs)
				Gianelli Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	Pacheco Tunnel 1/	Parks and Rec. Del.		
Jun 30	526.74	1,824,920							
1	526.69	1,824,308	-612	103	0	222	0	-190	
2	526.76	1,825,165	857	1,230	0	230	0	-568	
3	526.90	1,826,881	1,716	1,190	0	215	0	-110	
4	526.90	1,826,881	0	0	0	223	0	223	
5	526.65	1,823,818	-3,063	0	1,530	221	0	207	
6	526.59	1,823,083	-735	0	0	219	0	-152	
7	526.64	1,823,695	612	1,266	0	219	0	-738	
8	526.70	1,824,430	735	666	0	222	0	-73	
9	526.69	1,824,308	-122	0	0	221	0	159	
10	526.62	1,823,450	-858	0	0	188	0	-245	
11	526.42	1,821,002	-2,448	0	1,025	208	0	-1	
12	526.03	1,816,230	-4,772	0	2,048	221	0	-137	
13	525.46	1,809,264	-6,966	0	3,070	222	0	-220	
14	524.78	1,800,965	-8,299	0	4,080	216	0	112	
15	524.07	1,792,314	-8,651	0	4,069	225	0	-67	
16	523.37	1,783,800	-8,514	0	4,053	225	0	-14	
17	522.68	1,775,421	-8,379	0	4,032	200	0	8	
18	522.15	1,768,994	-6,427	0	3,015	218	0	-7	
19	521.77	1,764,391	-4,603	0	2,010	239	0	-72	
20	521.39	1,759,792	-4,599	0	2,010	247	0	-62	
21	521.02	1,755,318	-4,474	0	2,010	230	0	-16	
22	520.62	1,750,485	-4,833	0	2,010	269	0	-158	
23	519.91	1,741,920	-8,565	0	4,020	250	0	-48	
24	519.50	1,736,980	-4,940	0	2,010	213	0	-268	
25	519.14	1,732,646	-4,334	0	2,010	258	0	83	
26	518.45	1,724,351	-8,295	0	4,013	272	0	103	
27	517.73	1,715,709	-8,642	0	4,000	315	0	-42	
28	517.36	1,711,275	-4,434	0	2,000	264	0	29	
29	516.63	1,702,536	-8,739	0	4,000	273	0	-133	
30	515.93	1,694,171	-8,365	0	4,000	248	0	31	
31	515.22	1,685,702	-8,469	0	3,991	194	0	-85	
Total			-139,218	4,455	65,006	7,187	0	-2,451	
Mean cfs			---	144	2,097	232	0	-79	
Acre-feet			-139,218	8,839	128,941	14,257	0	-4,859	

1/ Pacheco Tunnel, San Felipe Split; Santa Clara 13,460 AF, Casa De Fruta 0 AF, and San Benito 2,335 AF.

Table 16. San Luis Field Division Plant Data

(in acre-feet)

July 2011

Date	Dos Amigos Pumping Plant		Gianelli Pumping - Generating Plant				San Felipe Project
	Total Pumping	SWP Pumping 1/ 2/	Total Generation	SWP Generation 1/ 2/	Total Pumping	SWP Pumping 1/ 2/	Federal
1	19,328	12,832	0	0	205	205	441
2	19,695	13,229	0	0	2,440	2,440	457
3	18,910	11,266	0	0	2,360	2,360	426
4	17,537	9,852	0	0	0	0	442
5	18,464	10,868	3,035	-154	0	0	439
6	19,731	12,241	0	0	0	0	434
7	20,166	12,678	0	0	2,512	2,512	435
8	21,751	14,218	0	0	1,322	1,322	441
9	23,142	15,677	0	0	0	0	438
10	19,108	11,417	0	0	0	0	372
11	20,223	12,728	2,033	2,033	0	0	413
12	22,722	15,274	4,063	4,063	0	0	438
13	23,136	15,706	6,089	1,962	0	0	441
14	22,439	14,450	8,093	8,093	0	0	428
15	21,242	11,071	8,070	183	0	0	446
16	21,645	11,463	8,040	109	0	0	446
17	20,456	10,227	7,998	-349	0	0	397
18	20,236	10,000	5,980	-2,465	0	0	433
19	22,149	12,068	3,987	-172	0	0	475
20	21,110	10,904	3,987	-165	0	0	490
21	21,353	11,155	3,987	-62	0	0	457
22	21,189	10,007	3,987	-51	0	0	534
23	21,674	10,565	7,974	-64	0	0	496
24	20,065	8,881	3,987	-69	0	0	422
25	18,975	8,055	3,987	-91	0	0	511
26	21,675	10,637	7,959	-149	0	0	539
27	20,887	9,739	7,934	-213	0	0	625
28	22,931	11,908	3,967	-135	0	0	523
29	22,771	15,270	7,934	7,934	0	0	542
30	22,500	15,032	7,934	7,934	0	0	491
31	20,905	13,313	7,916	7,916	0	0	385
Total	648,115	372,731	128,941	36,088	8,839	8,839	14,257

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

Table 17. Consolidated State-Federal Los Banos Reservoir

Daily Operations

July 2011

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity 34,560 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Jun 30	327.80	20,576					
1	327.79	20,571	-5	0	0	0	-5
2	327.77	20,562	-9	0	0	0	-9
3	327.75	20,552	-10	0	0	0	-10
4	327.73	20,543	-9	0	0	0	-9
5	327.70	20,529	-14	0	0	0	-14
6	327.67	20,515	-14	0	0	0	-14
7	327.63	20,496	-19	0	0	0	-19
8	327.60	20,482	-14	0	0	0	-14
9	327.56	20,463	-19	0	0	0	-19
10	327.52	20,444	-19	0	0	0	-19
11	327.47	20,421	-23	0	0	0	-23
12	327.44	20,407	-14	0	0	0	-14
13	327.41	20,393	-14	0	0	0	-14
14	327.37	20,374	-19	0	0	0	-19
15	327.34	20,360	-14	0	0	0	-14
16	327.32	20,351	-9	0	0	0	-9
17	327.29	20,337	-14	0	0	0	-14
18	327.27	20,328	-9	0	0	0	-9
19	327.27	20,328	0	0	0	0	0
20	327.25	20,318	-10	0	0	0	-10
21	327.22	20,304	-14	0	0	0	-14
22	327.19	20,290	-14	0	0	0	-14
23	327.16	20,276	-14	0	0	0	-14
24	327.12	20,258	-18	0	0	0	-18
25	327.10	20,248	-10	0	0	0	-10
26	327.07	20,234	-14	0	0	0	-14
27	327.05	20,225	-9	0	0	0	-9
28	327.03	20,216	-9	0	0	0	-9
29	327.00	20,202	-14	0	0	0	-14
30	326.97	20,188	-14	0	0	0	-14
31	326.95	20,179	-9	0	0	0	-9
Total			-397	0	0	0	-397
Mean cfs			---	0	0	0	---
Acre-feet			-397	0	0	0	-397

Table 18. Consolidated State-Federal Little Panoche Reservoir

Daily Operations

July 2011

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity: 5,580 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Jun 30	Not Observed						
1	Not Observed						
2	Not Observed						
3	Not Observed						
4	Not Observed						
5	Not Observed						
6	Not Observed						
7	Not Observed						
8	602.20	803	0	0	0	0	0
9	Not Observed						
10	Not Observed						
11	Not Observed						
12	Not Observed						
13	Not Observed						
14	Not Observed						
15	Not Observed						
16	Not Observed						
17	Not Observed						
18	Not Observed						
19	Not Observed						
20	Not Observed						
21	Not Observed						
22	602.20	803	0	0	0	0	0
23	Not Observed						
24	Not Observed						
25	Not Observed						
26	Not Observed						
27	Not Observed						
28	Not Observed						
29	Not Observed						
30	Not Observed						
31	602.20	803	0	0	0	0	0
Total			0	0	0	0	0
Mean cfs			---	0	0	0	---
Acre-feet			0	0	0	0	0

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries

(In acre-feet)

July 2011

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Mile			USBR	Transfer	DWR Recreation	USBR Recreation		
	No.	Structure									
2B	12	Check No. 12	66.71		393,402						
3A	San Luis Reservoir			Department of Parks and Recreation	0	11,752					
				San Felipe Division Santa Clara Water District	11,752		2,505	0	0		
				Casa de Fruta Santa Clara Water District	0						
				San Felipe Division San Benito Water District	2,505						
				Reach 3A Subtotal:	14,257						
3	O'Neill Forebay	70.85		Department of Parks and Recreation	1	14,257	0	0	0		
				Cattle Program	0						
				Department of Fish & Game	161						
		70.91 Thru 85.08		San Luis Water District	1,483	1,483	0	89	72		
				(Floodwater Inflow)	0						
		86.73		Reach 3 Subtotal:	1,645						
				Dos Amigos Pumping Plant	648,115						
4	14	89.03 Thru 94.06		San Luis Water District	10,536	10,536					
				Pacheco Water District	2,353		2,353	0	0		
				89.66 Thru							
				89.67							
				89.68	Panoche Water District		64	0	0		
				89.70	City of Dos Palos						
		Check No. 14	95.06								
	15	98.15 Thru 104.20		San Luis Water District	3,124	3,124	0	0	0		
				Panoche Water District	9,041		9,041	0	0		
				102.64 (Floodwater Inflow)	0						
				102.64	Broadview Water District						
		105.22		Westlands Water District	20,843	20,843	0	0	0		
		Thru 108.64									
		Check No. 15	108.50								
				Reach 4 Subtotal:	46,134		0	0	0		
				San Felipe Division Total:	14,257						
				Pacheco Water District Total:	2,353						
				Broadview Water District Total:	0						
				City of Dos Palos Total:	173						
				SLWD Reach 4 Subtotal:	13,660		13,660	0	0		
				Panoche Water District Total:	9,105						
				SLWD Total:	15,143						
				Westlands WD Reach 4 Subtotal:	20,843	20,843	0	0	0		

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

July 2011

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending		Mile			USBR	Transfer	DWR Recreation	USBR Recreation				
	No.	Structure											
5	16		110.52	(Reverse flow, Kings River)	0	28,269		0	0				
				Westlands Water District	28,269								
				Thru									
				122.05									
				Dept. of Fish and Game @ Lat. 4L									
	17		122.07	Dept. of Fish and Game @ Lat. 6L		23,341		0	0				
				Dept. of Fish and Game @ Lat. 7L									
				Check No. 16									
	18		124.18	Westlands Water District	23,341	24,492		0	0				
				Thru									
				132.74									
			Check No. 17	132.95									
			133.81	Westlands Water District	24,492								
				Thru									
				142.61									
6	19		Pleasant Valley Pumping Plant	143.16	Westlands Water District	19,386	1/ 349	0	0				
				143.16	City of Coalinga	774							
			Check No. 18	143.23									
					Reach 5 Subtotal:	96,262							
			145.26	GWF Energy	0	42,489	1/ 349	0	0				
				City of Huron	1								
				DWR Water Truck @22R	0								
				Thru									
				151.19	Kings County to Lemoore NAS Through WWD	349							
					Kings County through WWD 30L	0							
					Westlands Water District	42,489							
			Check No. 19	155.64									
					Reach 6 Subtotal:	42,839							
7	20		156.34	City of Huron	122	18,554	2/ 2,000	0	0				
			156.40	SWP Construction @ Lat. 24R	0								
			Thru	Kings County through WWD 31L, 32L, 33L, 34L, 35L, 36L	0								
				163.69	Westlands Water District	20,554							
				Check No. 20	164.69								
	21		164.79	City of Avenal	258	6,314	3/ 400	0	0				
			167.04	Westlands Water District	6,714								
			171.67										
			Check No. 21	172.40									
					422,543								
				Reach 7 Total:	27,648	25,248	2,400	0	0				
				SWP Construction Total:	0	0	0	0	0				
				Westlands WD Total:	186,088	183,688	2,400	0	0				
				City of Coalinga Total:	774	774	0	0	0				
				City of Huron Total:	123	123	0	0	0				
				Kings County to Lemoore NAS Through WWD	349	0	349	0	0				
				City of Avenal Total:	258	258	0	0	0				
				Total San Luis Field Division Deliveries:	228,785	225,874	2,749	90	72				

1/ From County of Kings to Westlands Water District.

2/ From Tulare Lake Basin WSD - same landowner transfer: Hansen Newton.

3/ From Empire West Side - same landowner transfer: Brooks and Newton.

Table 20. Consolidated State-Federal San Luis Canal 1/

Daily Operations

May 2011

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Date	Storage In Canal (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
			Non-Project	Dos Amigos Pumping Plant	San Luis Water District Pools 14 & 15 2/	Panoche Water District Pools 14 & 15	Westlands Water District Pools 15 thru 21 3/	Flow Past Check 21	
Apr 30	28,793								
1	28,453	-340	86	4,791	137	69	1,841	3,490	489
2	29,266	813	86	5,213	137	69	1,841	2,939	98
3	28,749	-517	61	5,043	137	70	1,841	2,713	-603
4	27,975	-774	77	5,249	137	70	1,841	3,169	-499
5	28,334	359	43	5,784	159	77	2,148	3,090	-172
6	28,969	635	68	6,457	159	77	2,148	3,607	-214
7	28,198	-771	64	5,451	159	77	2,148	3,556	36
8	28,733	535	80	5,556	159	77	2,148	3,526	544
9	28,033	-700	80	5,179	159	77	2,148	3,551	323
10	28,412	379	86	6,541	159	77	2,148	3,930	-121
11	28,701	289	67	6,759	159	77	2,148	4,034	-263
12	28,489	-212	77	5,756	154	71	1,953	3,270	-491
13	28,630	141	62	6,845	154	71	1,953	4,145	-513
14	28,880	250	62	5,874	154	71	1,953	3,483	-149
15	29,451	571	72	4,913	154	71	1,953	2,919	399
16	28,326	-1,125	54	3,706	154	71	1,953	2,343	194
17	28,444	118	52	5,379	154	71	1,953	3,101	-92
18	28,833	389	54	5,738	154	71	1,953	3,409	-9
19	29,629	796	67	5,726	155	63	1,734	3,249	-191
20	29,453	-176	51	4,598	155	63	1,734	2,537	-248
21	29,108	-345	57	3,648	155	63	1,734	1,855	-72
22	29,641	533	55	4,412	155	63	1,734	2,650	403
23	28,447	-1,194	67	4,028	155	63	1,734	2,719	-26
24	27,702	-745	58	5,051	155	63	1,734	3,045	-488
25	27,866	164	29	5,409	155	63	1,734	2,760	-643
26	27,888	22	0	5,750	189	68	2,445	3,188	151
27	28,031	143	22	4,993	189	68	2,445	2,425	184
28	27,904	-127	35	5,616	190	68	2,445	3,465	453
29	29,500	1,596	36	4,689	190	68	2,445	2,233	1,016
30	28,660	-840	41	3,914	190	68	2,445	2,129	454
31	28,221	-439	41	5,028	190	68	2,445	2,642	56
Total		-572	1,789	163,096	4,962	2,163	62,879	95,172	6
Mean cfs		---	58	5,261	160	70	2,028	3,070	0
Acre-feet		-572	3,550	323,504	9,843	4,291	124,721	188,774	3

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Includes 1,217 AF to Pacheco W.D., 125 AF to the City of Dos Palos and 8,501 AF to San Luis Water District.

3/ Includes 93 AF to the City of Huron, 204 AF to the City of Avenal, 477 AF to the City of Coalinga, 1 AF to City of Huron P&R @ 22R, 273 AF to Lemoore N.A.S. @ 29L, 0 AF to GWF @ 30L, 0 AF to Kings County @ 30L, 0 AF to Broadview WD @ 4L, 0 AF to DFG @ 4L, 0 AF to Pilipos Wildlife @ 4L, 0 AF to Mendota Water Fowl Habitat Area @ 6L, 0 AF to DWR Water Truck @ 22R, 0 AF to DFG @ 7L, 0 AF Non-Project Water, 108,206 AF to Westlands Water District and 15,467 AF to Pleasant Valley Pumping Plant.

Table 21. San Joaquin Field Division Plant Data

(in acre-feet)

July 2011

23

Date	Coastal Aqueduct					California Aqueduct			
	Las Perillas Pumping Plant	Badger Hill Pumping Plant	Devil's Den Pumping Plant	Bluestone Pumping Plant	Polonio Pass Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant	Chrisman Pumping Plant	Edmonston Pumping Plant
1	575	522	97	88	98	6,633	6,226	5,782	5,557
2	644	605	75	69	81	6,768	6,229	5,781	5,621
3	692	662	95	86	96	6,329	6,047	5,651	5,562
4	699	673	102	85	93	5,453	5,260	4,804	4,687
5	594	561	91	84	94	5,665	5,062	4,575	4,577
6	732	656	99	90	100	6,101	5,362	4,852	4,630
7	811	733	106	96	106	5,489	4,933	4,441	4,326
8	774	679	102	91	104	5,726	5,158	4,598	4,587
9	753	667	90	83	91	6,944	6,420	5,935	5,909
10	681	638	102	93	106	7,000	6,514	6,096	6,041
11	675	574	81	73	81	6,862	6,590	6,113	6,072
12	745	646	108	100	110	7,148	6,486	6,016	5,885
13	809	717	97	93	99	7,291	6,523	5,965	5,772
14	755	662	93	86	98	6,891	6,124	5,631	5,380
15	674	639	98	90	99	7,240	6,872	6,383	6,334
16	700	665	82	74	83	7,479	7,083	6,684	6,570
17	740	636	79	71	81	7,298	7,189	6,851	6,809
18	680	642	93	85	94	6,826	6,565	6,111	6,030
19	702	666	89	82	92	6,875	6,556	6,468	6,000
20	731	700	109	98	110	7,135	6,608	6,113	5,973
21	709	635	95	86	97	6,884	6,405	5,946	5,781
22	694	546	95	87	97	6,492	5,820	5,358	5,239
23	734	643	97	88	98	6,739	6,330	5,906	5,856
24	718	677	109	100	110	5,523	5,991	5,650	5,557
25	627	527	97	88	98	6,314	6,040	5,713	5,603
26	594	559	95	86	96	6,374	5,923	5,438	5,248
27	638	624	92	83	95	6,685	6,516	6,177	5,992
28	669	626	91	84	91	7,122	6,823	6,339	6,198
29	690	638	99	89	100	6,951	6,313	5,903	5,602
30	538	521	95	86	96	7,435	7,081	6,696	6,603
31	342	300	97	89	99	6,932	6,710	6,427	6,347
Total	21,119	19,239	2,950	2,683	2,993	206,604	193,759	180,403	176,348

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries

(In acre-feet)

July 2011

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		Table A			Carryover Article 56C	Pool B	Other				
	No.	Structure	Mile									
7	21	Check No. 21	172.40		422,543							
8C	22			Empire West Side ID TL - A	0	307	1,009	1/ 65 2/ 500				
				172.66 County of Kings TL - A	307							
				Tulare Lake Basin WSD TL-A	576							
				175.18 Dudley Ridge WD - 1	104							
				177.54 Dudley Ridge WD - 1B	279							
				180.64 Tulare Lake Basin WSD - C	0							
				180.65 Dudley Ridge WD - 1A	1,074							
				182.99 Dudley Ridge WD - 2	615							
				183.00 Tulare Lake Basin WSD TL - B	0							
				County of Kings TL-B	0							
31A				184.00 Dudley Ridge WD - Paramount	1	1	3,797					
				184.63 Coastal Branch	21,119							
8D				184.78 Dudley Ridge WD - 3	3,797	5,305	0	0	0	565		
				Dudley Ridge Reach 8D Total:	5,870							
9	23			Tulare Lake Basin WSD Total:	576	576	0	0	0	0		
				Check No. 22	184.82							
				189.69 Kern County Water Agency Lost Hills Water Dist. - 1	10,972	8,972				3/ 2,000		
				191.18 Kern County Water Agency Lost Hills Water Dist. - 2	2,619	2,619						
				194.22 Kern County Water Agency Lost Hills Water Dist. - 3	1,418	1,418						
				196.40 Kern County Water Agency Berrenda Mesa - 2	617	617						
				196.75 Kern County Water Agency Lost Hills Water Dist. - 4	2,757	2,757						
10A	24			KCWA Reach 9 Subtotal:	18,383	16,383	0	0	0	2,000		
				Check No. 23	197.05							
10A	25			201.24 Kern County Water Agency Lost Hills Water Dist. - 7	1,424	1,424						
				202.05 Kern County Water Agency Lost Hills Water Dist. - 5	1,610	1,610						
				204.69 Kern County Water Agency Lost Hills Water Dist. - 6	0							
				205.26 Kern County Water Agency Lost Hills Water Dist. - 8	6	6						
				Check No. 24	207.94							
				209.71 Kern County Water Agency Belridge Water Storage Dist. - 1A	3,546	3,546						
				209.78 Kern National Wildlife Refuge USBR BV-1B	460	460	980					
					Kern County Water Agency Buena Vista WSD 1B							
				209.80 KCWA Semitropic WSD	47,842							
					KCWA Semitropic WSD Penstocks							
				USBR Total:	460	0	460	0	0	0		
				KCWA Reach 10A Subtotal:	65,584	7,566	0	0	0	58,018		

1/ Kern Water Bank Recovery.

2/ TLBWS Table A delivered though DRWD turnout.

3/ TLBWS Table A sent to KCWA.

4/ MWD Table A sent to Semitropic WSD for banking.

5/ Sent to Semitropic WSD for banking includes: 5,868 AF of MWD Table A and 4,308 AF of SCVWD Table A.

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

July 2011

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Table A	USBR	Carryover Article 56C	Pool B	Other		
	No.	Structure	Mile									
11B	25		210.75	Kern County Water Agency Belridge - 2	0	1,235	15,736	272	2/ 3,000			
			214.11	Kern County Water Agency Belridge - 3	1,235							
			216.62	Kern County Water Agency Belridge - 4	0							
			217.13	Kern County Water Agency Belridge - 5A-C	18,736							
				Kern County Water Agency Belridge - 5D	272							
		Check No. 25	217.79									
				KCWA Reach 11B Subtotal:	20,243	17,243	0	0	0	3,000		
12D	26		219.58	Kern County Water Agency Belridge - 6	0	69						
				Kern County Water Agency West Kern - 3	69							
		Check No. 26	224.92									
		Check No. 27	231.73									
12E	27		230.37	Kern County Water Agency Buena Vista - 6	6,143	6,143				3/ 6,424		
			235.75	Kern County Water Agency Buena Vista - 2	5,490		5,490					
				Kern County WA CVC	27,993							
				DRWD CVC	0							
				Tulare Co.	0							
				Lower Tule River	0							
				Fresno Co.	0							
				Pixley ID	0							
			238.04	Hacienda								
				DWR Wells	0							
		Check No. 28	238.11									
				1/ Arvin Edison Total:	0	0	0	0	0	0		
				Reach 12E Subtotal:	39,626	33,202	0	0	0	6,424		
13B	29		238.19	Kern Water Bank Inflow	0	20,835				4/ 5,532		
				Kern Water Bank Outflow	26,367							
				Kern River Intertie (inflow)	0							
				KCWA Buena Vista WSD - 7	11,515		951					
				KCWA Buena Vista WSD - 5	951							
				Kern County Water Agency Buena Vista - 3	1,985							
				Check No. 29	244.54							
			249.85	Kern County Water Agency Buena Vista - 4	1,002							
				Buena Vista Pumping Plant	250.99							
				KCWA Reach 13B Subtotal:	41,820	24,773	0	0	0	17,047		
14A	31		254.47	Kern County Water Agency West Kern - 2	0	557						
			256.11	Kern County Water Agency Wheeler Ridge-Maricopa - 2	557							

1/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

2/ TLBWSD Table A sent to KCWA.

3/ Includes 1,430 AF of MWD Table A to Arvin-Edison WSD for banking and 4,994 AF of Zone-7 Table A to Cawelo WD for banking.

4/ DRWD Table A sent to KWB for banking.

5/ MWD Table A sent to Kern-Delta WD.

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

July 2011

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries				
	Beginning and Ending		No.	Structure	Mile	Table A	USBR	Carryover Article 56C	Pool B	Other
	No.	Structure								
14A	31	Check No. 31	256.14			871	2,333			
	32		258.61	Kern County Water Agency Wheeler Ridge-Maricopa - 3	871					
			260.44	Kern County Water Agency Wheeler Ridge-Maricopa - 4	2,333					
		Check No. 32	261.72							
				KCWA Reach 14A Subtotal:	3,761	3,761	0	0	0	0
14B	33		264.42	Kern County Water Agency Wheeler Ridge-Maricopa - 5	6,227	1,097	3,571			
			266.91	Kern County Water Agency Wheeler Ridge-Maricopa - 6	1,097					
		Check No. 33	267.36							
	34		270.24	Kern County Water Agency Wheeler Ridge-Maricopa - 7	3,571					
		Check No. 34	271.27							
				Reach 14B Total:	10,895	10,895	0	0	0	0
14C	35		272.39	Kern County Water Agency Wheeler Ridge-Maricopa - 8	2,535	1,132				1/ 1,329
			276.09	Kern County Water Agency Wheeler Ridge-Maricopa - 9	1,132					
			277.30	Kern County Water Agency Arvin-Edison WSD	1,329					
				Reach 14C Total:	4,996	3,667	0	0	0	1,329
	Teerink Pumping Plant	278.13			193,759					
15A	36		279.02	Kern County Water Agency Wheeler Ridge-Maricopa - 9A	908	7,261				
			280.06	Kern County Water Agency Wheeler Ridge-Maricopa - 10	7,261					
				Reach 15A Total:	8,169					
		Chrismen Pumping Plant	280.36		180,403					
	37		282.06	Kern County Water Agency Wheeler Ridge-Maricopa - 11	0					
		Check No. 37	283.95							
16A	38		285.01	Kern County Water Agency Wheeler Ridge-Maricopa - 12	47	146				
			286.39	Kern County Water Agency Wheeler Ridge-Maricopa - 13A	146					
			287.06	Kern County Water Agency Wheeler Ridge-Maricopa - 13	0					
		Check No. 38	287.09							
			287.62	Kern County Water Agency Wheeler Ridge-Maricopa - 13B	184					
	39	Check No. 39	290.21			184				
			291.26	Kern County Water Agency Wheeler Ridge-Maricopa - 14	1,539		1,539			
			293.07	Kern County Water Agency Wheeler Ridge-Maricopa - 15	639					
				Kern County Water Agency Tehachapi Cummings CWD	1,153					
				KCWA Reach 16A Subtotal:	3,708	3,708	0	0	0	0
17E	Edmonston Pumping Plant	293.45			176,348					

1/ MWD Table A sent to Arvin Edison WSD for banking.

Table 23. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

July 2011

(In acre-feet)

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		No.			Table A	USBR	Carryover Article 56C	Pool B	Other	
	No.	Structure	Mile								
31A	C-1	Coastal Branch Control	0.02		21,119	1,626	15,579				
		Las Perillas Pumping Plant	1.16		21,119						
	C-2		3.79	Green Valley Water District	0						
		Badger Hill Pumping Plant	4.27		19,239						
	C-3	Coastal Check No. 3	7.21								
	C-4		9.34	Castaic Lake WA (Devil's Den WD #1)	0						
		Coastal Check No. 4	9.34								
	C-5	Coastal Check No. 5	12.20								
	C-6		13.30	Kern County Water Agency Berrenda Mesa - 3	1,626						
			14.83	Kern County Water Agency Berrenda Mesa - 1	15,579						
				Kern County Water Agency Berrenda Mesa - PO	0						
		Devil's Den Pumping Plant	14.86		2,950						
				KCWA Reach 31A Subtotal:	17,205	17,205	0	0	0	0	
				KCWA Total:	234,459	146,641	0	0	0	87,818	
33A	C-7	Bluestone Pumping Plant	19.05		2,683	2,558	388				
	C-8	Polonio Pass Pumping Plant	26.54		2,993						
	C-9	Tank Site 1	27.81	(CCWA) Polonio Pass Treatment Plant	0						
	C-10	Shandon T.O.	38.23	Santa Barbara County (CCWA)	2,558						
		Tank Site 2	58.63	Central Coast:	0						
34	C-11	Chorro Valley T.O.	69.31	San Luis Obispo County (CCWA)	388						
		Energy Dissipater	78.12								
	Lopez T.O.	85.86		SLOCFC & WCD	0	2,946	0	0	0	0	
				CCWA Total:	2,946						
35	C-12	Guadalupe T.O.	102.70	SBCFC & WCD	0						
		Santa Maria T.O.	107.43	SBCFC & WCD	0						
		So. Cal. Water T.O.	109.20	SBCFC & WCD	0						
				SBCFC & WCD Total:	0	0	0	0	0	0	
38		Tank Site 5	115.42								

Table 24. Southern Field Division Plant Data

(in acre-feet)

July 2011

Date	West Branch						East Branch								East Branch Extension		
	Oso Pumping Plant	Warne Powerplant			Castaic Powerplant		Alamo Powerplant			Pearblossom Pumping Plant	Mojave Siphon Powerplant			Devil Canyon Powerplant Generation	Green Spot	Crafton Hills	Cherry Valley
		Generation	Leakage	Gorman Crk. Improvement Channel	Generation 1/	Pumpback 1/	Bypass Through Plant	Tehachapi Afterbay Bypass	Generation	Leakage	Bypass Flume						
1	1,087	1,059	0	0	3,496	1,235	2,968	0	1,285	4,098	3,935	0	0	3,821	61	62	27
2	1,114	1,233	0	0	681	1,375	3,024	0	988	4,042	4,055	0	0	3,573	61	62	27
3	844	799	0	0	435	1,323	3,009	0	1,231	3,987	4,042	0	0	3,788	61	62	27
4	395	0	0	0	1,073	0	2,964	0	1,190	3,987	3,777	0	0	3,929	62	61	26
5	477	0	0	0	2,638	1,113	2,814	0	992	3,985	3,286	0	302	3,764	77	61	26
6	317	113	0	0	2,402	952	2,897	0	859	3,626	3,693	0	0	4,009	77	61	27
7	0	328	0	0	2,459	1,211	2,727	0	1,078	3,987	3,895	0	0	3,827	66	61	26
8	0	1,431	0	0	2,169	999	2,923	0	1,355	3,754	3,815	0	0	4,021	61	62	27
9	1,143	1,454	0	0	1,679	1,339	2,915	0	1,495	3,987	3,714	0	0	3,803	61	62	27
10	1,480	1,469	0	0	1,501	3,476	2,996	0	1,033	3,987	3,886	0	0	3,759	61	62	27
11	1,381	1,435	0	0	4,164	1,186	2,916	0	1,248	3,987	3,940	0	0	3,994	40	42	24
12	1,557	1,395	0	0	4,040	2,526	2,860	0	1,111	3,987	3,785	0	0	3,704	27	27	0
13	1,388	1,403	0	0	1,724	2,629	2,835	0	1,306	3,987	3,527	0	0	3,818	52	54	10
14	947	1,416	0	0	5,158	1,339	2,823	0	1,179	3,987	4,032	0	0	3,734	57	59	26
15	1,802	1,408	0	0	6,037	2,352	2,763	0	1,084	3,987	3,743	0	0	4,002	61	62	27
16	1,965	1,425	0	0	2,222	3,068	2,767	0	1,388	3,987	3,742	0	0	3,862	60	62	27
17	2,149	1,426	0	0	1,906	3,489	2,811	0	1,240	3,987	3,941	0	0	3,904	60	62	28
18	1,576	1,422	0	0	3,501	1,897	2,955	0	975	3,987	3,923	0	0	3,889	61	62	31
19	1,622	1,403	0	0	3,872	1,920	2,911	0	1,190	3,987	3,708	0	0	3,773	62	62	33
20	1,527	1,404	0	0	2,764	1,742	2,997	0	1,012	3,990	3,825	0	0	3,785	61	62	32
21	1,883	1,404	0	0	3,986	1,858	2,871	0	1,025	3,732	3,357	0	0	3,910	57	31	59
22	900	1,405	0	0	4,975	2,003	3,013	0	909	3,987	3,889	0	0	3,859	60	62	32
23	1,440	1,406	0	0	4,514	1,438	2,814	0	1,190	3,824	3,432	0	0	3,977	61	62	31
24	955	1,400	0	0	1,922	3,276	2,775	0	1,273	3,987	3,732	0	0	4,069	60	62	32
25	1,318	1,407	0	0	3,039	2,107	2,875	0	1,042	3,987	3,614	0	0	4,008	58	58	32
26	1,472	1,408	0	0	2,909	1,840	2,443	0	993	3,366	3,331	0	0	4,127	62	61	31
27	1,509	1,408	0	0	2,772	1,304	2,871	0	1,250	3,835	3,629	0	0	3,928	61	62	32
28	1,592	1,404	0	0	3,721	2,200	2,847	0	1,339	4,076	3,665	0	0	3,816	60	62	32
29	1,009	1,398	0	0	2,687	0	2,843	0	1,343	4,175	4,112	0	0	3,725	62	62	32
30	1,565	1,399	0	0	1,673	849	2,916	0	1,659	4,175	3,871	0	0	3,661	63	62	31
31	1,431	1,405	0	0	2,216	976	2,755	0	1,486	4,175	3,960	0	0	3,858	73	62	32
Total	37,845	37,467	0	0	88,335	53,022	88,898	0	36,748	122,632	116,856	0	302	119,697	1,866	1,816	881

1/ Values supplied by LADWP, not verified by DWR.

Table 25. Pyramid Lake
Daily Operation

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

July 2011

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow				Outflow				Computed Losses (-) And Gains (+)	
				Project		Natural	Project		To Piru Creek				
				Castaic Powerplant Pumpback 1/	Warne Power-plant	Gorman Creek Improv. Channel	Stream Flow	Castaic Powerplant Generation 1/	Recrea-tion Deliveries	Natural	Del. To United W.A.		
Jun 30	2574.62	165,574											
1	2573.47	164,119	-1,455	1,235	1,059	0	31	3,496	0	30	0	-254	
2	2575.04	166,108	1,989	1,375	1,233	0	29	681	0	30	0	63	
3	2576.41	167,856	1,748	1,323	799	0	26	435	0	30	0	65	
4	2575.46	166,643	-1,213	0	0	0	26	1,073	0	30	0	-136	
5	2574.04	164,839	-1,804	1,113	0	0	31	2,638	0	30	0	-280	
6	2572.75	163,212	-1,627	952	113	0	33	2,402	0	30	0	-293	
7	2571.84	162,070	-1,142	1,211	328	0	53	2,459	0	52	0	-223	
8	2571.74	161,945	-125	999	1,431	0	35	2,169	0	44	0	-377	
9	2572.58	162,998	1,053	1,339	1,454	0	29	1,679	0	29	0	-61	
10	2575.46	166,643	3,645	3,476	1,469	0	26	1,501	0	28	0	203	
11	2574.00	164,788	-1,855	1,186	1,435	0	24	4,164	0	26	0	-310	
12	2573.76	164,485	-303	2,526	1,395	0	24	4,040	0	26	0	-182	
13	2575.58	166,796	2,311	2,629	1,403	0	23	1,724	0	26	0	6	
14	2573.36	163,980	-2,816	1,339	1,416	0	24	5,158	0	26	0	-411	
15	2571.07	161,108	-2,872	2,352	1,408	0	24	6,037	0	26	0	-593	
16	2575.02	166,070	4,962	3,068	1,425	0	23	2,222	1	26	0	2,695	
17	2575.64	166,872	802	3,489	1,426	0	21	1,906	0	26	0	-2,202	
18	2575.49	166,681	-191	1,897	1,422	0	18	3,501	0	26	0	-1	
19	2574.85	165,866	-815	1,920	1,403	0	17	3,872	0	26	0	-257	
20	2574.99	166,044	178	1,742	1,404	0	18	2,764	0	24	0	-198	
21	2574.20	165,042	-1,002	1,858	1,404	0	17	3,986	0	24	0	-271	
22	2572.65	163,086	-1,956	2,003	1,405	0	17	4,975	0	21	0	-385	
23	2571.79	162,008	-1,078	1,438	1,406	0	16	4,514	0	21	0	597	
24	2574.15	164,978	2,970	3,276	1,400	0	15	1,922	0	21	0	222	
25	2574.44	165,346	368	2,107	1,407	0	14	3,039	0	21	0	-100	
26	2574.56	165,498	152	1,840	1,408	0	14	2,909	0	21	0	-180	
27	2574.31	165,181	-317	1,304	1,408	0	14	2,772	0	21	0	-250	
28	2574.02	164,814	-367	2,200	1,404	0	14	3,721	0	21	0	-243	
29	2572.75	163,212	-1,602	0	1,398	0	14	2,687	1	20	0	-306	
30	2573.16	163,728	516	849	1,399	0	13	1,673	0	20	0	-52	
31	2573.14	163,703	-25	976	1,405	0	13	2,216	0	20	0	-183	
Total				-1,871	53,022	37,467	0	696	88,335	2	822	0	-3,897

1/ Values supplied by LADWP, not verified by DWR.

Table 26. Elderberry Forebay

Daily Operation

(in acre-feet except as noted)

Capacity: 32,476 ac-ft

July 2011

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow			Computed Losses (-) And Gains (+)	
				Castaic Powerplant Generation 1/	Natural	Castaic Powerplant Pumpback 1/	To Castaic Lake			
							Natural	Project 1/		
Jun 30	1515.09	21,197								
1	1514.18	20,829	-368	3,496	0	1,235	0	2,676	47	
2	1511.70	19,844	-985	681	0	1,375	0	232	-59	
3	1509.50	18,992	-852	435	0	1,323	0	0	36	
4	1512.41	20,123	1,131	1,073	0	0	0	0	58	
5	1516.45	21,753	1,630	2,638	0	1,113	0	0	105	
6	1520.08	23,275	1,522	2,402	0	952	0	0	72	
7	1518.56	22,631	-644	2,459	0	1,211	0	1,891	-1	
8	1516.17	21,638	-993	2,169	0	999	0	2,164	1	
9	1517.22	22,071	433	1,679	0	1,339	0	0	93	
10	1512.53	20,171	-1,900	1,501	0	3,476	0	0	75	
11	1520.04	23,258	3,087	4,164	0	1,186	0	0	109	
12	1518.39	22,560	-698	4,040	0	2,526	0	2,228	16	
13	1510.54	19,393	-3,167	1,724	0	2,629	0	2,194	-68	
14	1516.42	21,741	2,348	5,158	0	1,339	0	1,471	0	
15	1517.67	22,258	517	6,037	0	2,352	0	3,168	0	
16	1515.77	21,474	-784	2,222	0	3,068	0	0	62	
17	1511.82	19,891	-1,583	1,906	0	3,489	0	0	0	
18	1516.02	21,576	1,685	3,501	0	1,897	0	0	81	
19	1516.16	21,634	58	3,872	0	1,920	0	1,894	0	
20	1512.37	20,108	-1,526	2,764	0	1,742	0	2,547	-1	
21	1513.75	20,656	548	3,986	0	1,858	0	1,580	0	
22	1515.29	21,278	622	4,975	0	2,003	0	2,398	48	
23	1519.47	23,952	2,674	4,514	0	1,438	0	387	-15	
24	1516.41	21,736	-2,216	1,922	0	3,276	0	0	-862	
25	1518.88	22,766	1,030	3,039	0	2,107	0	0	98	
26	1516.34	21,708	-1,058	2,909	0	1,840	0	2,127	0	
27	1514.73	21,051	-657	2,772	0	1,304	0	2,173	48	
28	1514.51	20,962	-89	3,721	0	2,200	0	1,594	-16	
29	1514.25	20,857	-105	2,687	0	0	0	2,813	21	
30	1516.48	21,765	908	1,673	0	849	0	0	84	
31	1519.72	23,121	1,356	2,216	0	976	0	0	116	
Total				1,924	88,335	0	53,022	0	33,537	
									148	

1/ Values supplied by LADWP, not verified by DWR.

Table 27. Castaic Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

July 2011

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow		Computed Losses (-) And Gains (+)	
				From Elderberry Forebay 1/		Natural	Deliveries	Released To Castaic Lagoon		
				Natural	Project					
Jun 30	1508.73	309,862								
1	1509.25	310,996	1,134	0	2,676	5	1,556	0	9	
2	1508.62	309,623	-1,373	0	232	4	1,628	0	19	
3	1507.94	308,144	-1,479	0	0	4	1,486	0	3	
4	1507.26	306,670	-1,474	0	0	3	1,479	0	2	
5	1506.54	305,113	-1,557	0	0	3	1,603	0	43	
6	1505.78	303,475	-1,638	0	0	3	1,655	0	14	
7	1505.89	303,712	237	0	1,891	3	1,751	0	94	
8	1506.14	304,250	538	0	2,164	3	1,782	0	153	
9	1505.34	302,529	-1,721	0	0	2	1,568	0	-155	
10	1504.58	300,899	-1,630	0	0	2	1,527	0	-105	
11	1503.86	299,360	-1,539	0	0	3	1,465	0	-77	
12	1504.25	300,193	833	0	2,228	3	1,384	0	-14	
13	1504.62	300,985	792	0	2,194	4	1,372	14	-20	
14	1504.73	301,220	235	0	1,471	5	1,390	19	168	
15	1505.50	302,873	1,653	0	3,168	4	1,397	19	-103	
16	1504.78	301,327	-1,546	0	0	4	1,518	19	-13	
17	1504.18	300,043	-1,284	0	0	3	1,416	20	149	
18	1503.82	299,253	-790	0	0	2	1,369	20	597	
19	1503.69	298,997	-256	0	1,894	2	1,518	20	-614	
20	1504.18	300,043	1,046	0	2,547	2	1,520	20	37	
21	1504.25	300,193	150	0	1,580	2	1,429	20	17	
22	1504.81	301,392	1,199	0	2,398	1	1,379	20	199	
23	1503.91	299,448	-1,944	0	387	1	1,379	20	-933	
24	1503.74	299,104	-344	0	0	1	1,297	20	972	
25	1503.06	297,655	-1,449	0	0	1	1,351	20	-79	
26	1503.37	298,315	660	0	2,127	1	1,492	20	44	
27	1503.70	299,018	703	0	2,173	1	1,558	12	99	
28	1503.81	299,253	235	0	1,594	1	1,532	0	172	
29	1504.42	300,557	1,304	0	2,813	1	1,571	0	61	
30	1503.74	299,104	-1,453	0	0	1	1,493	0	39	
31	1503.10	297,740	-1,364	0	0	1	1,479	0	114	
Total				-12,122	0	33,537	76	46,344	283	892

1/ Values supplied by LADWP, not verified by DWR.

Table 28. Governor Edmund G. Brown California Aqueduct
 Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet)

July 2011

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending		No.			Table A	Rec.	Pool A	Local	Article 56C	Other		
	No.	Structure											
29A	42	Oso Pumping Plant	1.49		37,845								
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Re-moved								
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub								
29G		Warne Power Plant	14.07	(No flow through Gorman Creek Imp. Channel)	37,467								
29H	W3	Pyramid Lake		USFS									
				Pyramid Recreation (T300)	2								
29J	W4	Pyramid Dam	17.10	United WA (T300)	0								
				California State Park									
		Castaic Power Plant	25.82	Piru Fish (T300)	0								
				(53,022 AF pumpback) 2/	88,335								
	W5	Elderberry Forebay											
			28.12	Forebay Dam									
	W6	Castaic Lake	31.47	California State Park									
				Castaic Lake Recreation (T301)	25								
	W5	Castaic Dam	31.47										
				MWDSC 78" & 132" (T302)	41,567								
	W5	Castaic Lake Outlet	31.55	Castaic Lake WA 18", 24" & 54" (T303)	1,943								
				Castaic Lake WA Rio Vista T.P. (T304)	2,655								
	W5	Castaic Lake Outlet	31.55	MWD-Ventura Co. WPD (T302)	154								
				Releases to Lagoon	283								
	W5			Reach 30 Subtotal:	46,344	46,319	25	0	0	0	0		
	W6	Castaic Lagoon		California State Park Recreation to Lagoon (T353)	0								
			31.87	Castaic Lagoon Outlet	758								

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

2/ Value Supplied by LADWP, not verified by DWR.

Table 29. Silverwood Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 74,970 ac-ft

July 2011

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow					Computed Losses (-) And Gains (+)	Las Flores Ranch Exchange 1/	
				Mojave Siphon Power-plant	Mojave Bypass Flume	Natural Stream Flow	Project			Del. To Mojave W.A.	Natural To Mojave River			
Jun 30	3351.99	72,063												
1	3352.16	72,226	163	3,935	0	15	6	0	3,821	0	11	51	0	
2	3352.66	72,705	479	4,055	0	15	6	1	3,573	0	0	-11	0	
3	3353.00	73,032	327	4,042	0	15	6	0	3,788	0	1	65	0	
4	3352.86	72,897	-135	3,777	0	14	6	0	3,929	0	0	9	0	
5	3352.66	72,705	-192	3,286	302	14	5	1	3,764	0	1	-23	0	
6	3352.30	72,360	-345	3,693	0	14	6	0	4,009	0	0	-37	0	
7	3352.38	72,436	76	3,895	0	13	6	0	3,827	0	0	1	0	
8	3352.19	72,255	-181	3,815	0	12	3	1	4,021	0	1	18	0	
9	3352.05	72,121	-134	3,714	0	12	4	0	3,803	0	0	-53	0	
10	3352.16	72,226	105	3,886	0	11	3	0	3,759	0	0	-30	0	
11	3352.13	72,197	-29	3,940	0	10	3	0	3,994	0	1	19	0	
12	3352.19	72,255	58	3,785	0	10	2	1	3,704	0	0	-30	0	
13	3351.79	71,873	-382	3,527	0	9	4	0	3,818	0	0	-96	0	
14	3352.13	72,197	324	4,032	0	9	2	0	3,734	0	1	21	0	
15	3351.79	71,873	-324	3,743	0	8	3	1	4,002	0	0	-69	0	
16	3351.68	71,768	-105	3,742	0	8	4	0	3,862	0	1	12	0	
17	3351.71	71,796	28	3,941	0	7	3	1	3,904	0	0	-12	0	
18	3351.82	71,901	105	3,923	0	7	4	0	3,889	0	0	68	0	
19	3351.65	71,739	-162	3,708	0	7	3	0	3,773	0	1	-99	0	
20	3351.79	71,873	134	3,825	0	6	3	1	3,785	0	0	92	0	
21	3351.09	71,207	-666	3,357	0	6	1	1	3,910	0	1	-116	0	
22	3351.15	71,264	57	3,889	0	6	2	0	3,859	0	0	23	0	
23	3350.42	70,572	-692	3,432	0	5	1	0	3,977	0	1	-150	0	
24	3350.16	70,327	-245	3,732	0	5	3	1	4,069	0	0	91	0	
25	3349.69	69,885	-442	3,614	0	5	4	0	4,008	0	0	-49	0	
26	3348.70	68,958	-927	3,331	0	4	2	0	4,127	0	0	-133	0	
27	3348.62	68,884	-74	3,629	0	4	3	1	3,928	0	0	225	0	
28	3348.37	68,651	-233	3,665	0	4	5	0	3,816	0	0	-81	0	
29	3348.76	69,014	363	4,112	0	11	5	0	3,725	0	0	-30	0	
30	3348.99	69,229	215	3,871	0	8	6	1	3,661	0	0	4	0	
31	3349.27	69,491	262	3,960	0	9	6	0	3,858	0	0	157	0	
Total				-2,572	116,856	302	281	120	11	119,697	0	20	-163	0

1/ Project water delivered from Mojave Siphon in exchange for like amount of natural stream flow.

Table 30. Lake Perris

Daily Operation

(in acre-feet except as noted)

Capacity: 131,452 ac-ft

July 2011

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow 1/	Outflow 2/	Computed Losses (-) Gains (+) 1/
Jun 30	1561.88	72,384				
1	1561.92	72,459	75		103	
2	1561.90	72,421	-38		105	
3	1561.60	71,864	-557		104	
4	1561.60	71,864	0		110	
5	1561.62	71,902	38		110	
6	1561.29	71,291	-611		226	
7	1561.48	71,642	351		104	
8	1561.37	71,439	-203		102	
9	1561.26	71,235	-204		103	
10	1561.46	71,605	370		103	
11	1561.30	71,309	-296		121	
12	1561.18	71,088	-221		103	
13	1561.26	71,235	147		103	
14	1561.21	71,143	-92		104	
15	1561.21	71,143	0		103	
16	1561.10	70,940	-203		103	
17	1560.93	70,627	-313		103	
18	1561.13	70,996	369		125	
19	1560.80	70,388	-608		107	
20	1560.80	70,388	0		107	
21	1560.85	70,480	92		107	
22	1560.80	70,388	-92		107	
23	1560.80	70,388	0		107	
24	1560.80	70,388	0		107	
25	1560.66	70,131	-257		119	
26	1560.60	70,021	-110		108	
27	1560.60	70,021	0		107	
28	1560.63	70,076	55		107	
29	1560.64	70,094	18		107	
30	1560.62	70,058	-36		107	
31	1560.40	69,655	-403		107	
Total			-2,729	2,894	3,439	-2,184

1/ Readings are not taken on a daily basis. End of month only.

2/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at Lake Perris.

Table 31. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

July 2011

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		No.			Table A	Rec.	Pool A	Local	Article 56C	Other	
	No.	Structure	Mile									
17E	40	Edmonston Pumping Plant	293.45		176,348							
	41		298.65	KCWA Tej.-Cas	Stub							
17F		Check No. 41	303.41									
18A	42		304.99	AVEK WA-Temp for TEA construction (T389)	0							
		Check No. 42	304.99									
19	43	Alamo Powerplant	305.73	(Includes 88,898 AF generation, 0 AF plant bypass, and 36,748 AF Tehachapi Bypass)	125,646							
			306.71	AVEK 305th Street West (T287)	1,145							
			308.05	AVEK 294th Street West (T267)	133							
		Check No. 43	309.70									
	44		311.84	LADWP Connection	0							
			313.50	AVEK 245th Street West (T269)	0							
		Check No. 44	314.81									
	45		314.93	AVEK 235th Street West (T270)	0							
			315.57	AVEK 225th Street West (T271)	0							
		Check No. 45	319.74									
20A	46		323.19	Antelope Valley-East Kern WA Fairmont (T272)	5,558							
				Mojave Water Agency Fairmont (T272)	204							
		Check No. 46	323.84									
				Reach 19 Total:	7,040							
		Check No. 47	326.77									
	48		326.91	Antelope Valley-East Kern WA Willow Springs (T273)	44							
			329.65	Antelope Valley-East Kern WA 120th Street West	Removed							
		Check No. 48	330.82									
20B	49	Check No. 49	335.93									
	50		336.73	Antelope Valley-East Kern WA Quartz Hill (T274)	5,027							
			339.68	Antelope Valley-East Kern WA Rancho Vista (T275)	0							
			340.92	AVEK WA-Temp (T387)	0							
		Check No. 50	341.51									
	51		342.06	AVEK WA-Temp (T386)	0							
		Check No. 51	342.07									
	52		342.95	Antelope Valley-East Kern WA 30th Street West (T414)	0							
	53	Check No. 52	343.74									
			346.98	Palmdale WD (T276) Temp.	946							
			348.14	Antelope Valley-East Kern WA Acton Treatment Plant (T277)	108							
21	53	Check No. 53	348.17									
			349.52	Palmdale WD (T394)	0							
	54	Check No. 54	350.25									
	55	Check No. 55	352.70									
	56	Check No. 56	354.76									
	57		354.97	AVEK WA-Delivered through Littlerock Creek ID (T278)	0							
			354.97	Palmdale WD (T276)	0							
			354.97	Palmdale WD (T391)	0							
		Check No. 57	356.93									
22A	58		357.60	AVEK 95th Street East (T279)	0							
			357.72	AVEK 96th Street East (T280)	0							
			359.76	AVEK East Side Treatment Plant (T281)	330							

Table 31. Governor Edmund G. Brown California Aqueduct
 Southern Field Division, Monthly Deliveries (East Branch, Continued)

(In acre-feet)		July 2011									
Reach No.	Operating Pool		Turnout	Total Diver-sions	Deliveries						
	Beginning and Ending										
	No.	Structure	Mile		Table A	Rec.	Pool A	Local	Article 56C	Other	
22B	58	Pearblossom Pumping Plant	360.61		122,632						
	59	Check No. 59	366.09								
	60		366.50	AVEK Big Rock Siphon (T368)	0						
	61	Check No. 60	373.94								
	62	Check No. 61	379.00								
	63	Check No. 62	384.26								
	64		389.20	Mojave Water Agency White Road 24" & 42" (T282)	1,029					2/ 1,029	
	65	Check No. 63	395.10								
	66	Check No. 64	400.32								
			401.10	Mojave Water Agency Morongo 24" & 42" (T284)	3,922					2/ 3,922	
23		Check No. 65	403.41								
		Mojave Siphon	405.58	Las Flores Ranch Exchange	0					1/ 0	
24	67	Mojave Siphon Powerplant	405.65		0						
		Silverwood Lake	407.65	MWA CS DAM (T288)	0						
				California State Park Silverwood (T288)	11						
			407.70	Creastline-Lake Arrowhead WA State Project Water (T289)	0						
		San Bernardino Intake Tunnel		Non-Project Water (T289)	120						
25		Devil Canyon Powerplant	412.73		119,697						
26A	68	Devil Canyon Afterbay Control Structures	412.88	MWD-Rialto (T292)	0	31,066					
				MWD-Rialto (T293)	31,066	25,360					
				MWD-Rialto (T294)	25,360	6,133					
				Desert Water Agency Transfer (T293)	6,133		15,219				
				Coachella Valley WD Transfer (T293)	15,219						
				MWD EBX-1 (T290)	0						
				MWD EBX-1 (T291)	0						
				East Branch Extension	7,331						
				MWD (T294)	0						
28G	69	Santa Ana Valley Pipeline	425.46								
28H			433.06	MWD-SC Box Springs (T295)	8,796	8,796					
			440.05	MWD-SC Perris Bypass Pipeline (T296)	23,755	23,755					
28J	69	Lake Perris	442.00	MWD-SC (T297)	130	130					
			443.44	MWD-SC 54" & 78" (T299)	3,266	3,266					
				Calif. State Park Lake Perris Parks & Rec. (T298)	43	43					
				MWD Total:	133,940	133,940	0	0	0	0	

1/ Project water delivered from Mojave Siphon in exchange for like amount of natural stream flow.

2/ MWD provided SWP water supplies to MWA for groundwater storage in the Mojave River Basin.

3/ Includes 3,379 AF to San Gabriel Valley MWD, 3,084 AF to San Bernardino Valley MWD, and 868 AF to San Gorgonio Pass WA.

Table 32. Water Quality At Selected SWP Locations

July 2011

Constituent	Units	Thermalito Afterbay At Outlet	North Bay Aqueduct Barker Slough Pumping Plant	Delta Mendota Canal At McCabe Rd.	California Aqueduct					
					Banks Pumping Plant	O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Hwy 119 (Check 29)	Tehachapi Afterbay (Check 41)	Devil Canyon Headworks
Alkalinity	mg/l as CaCO ₃	32	96	36	38	44	45	44	44	44
Antimony	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NR	NR
Arsenic	mg/l	<0.001	0.003	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Beryllium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/l	<0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Bromide	mg/l	<0.01	0.04	0.04	0.04	0.07	0.08	0.08	0.08	0.07
Calcium	mg/l	7	15	10	10	12	12	12	12	12
Chloride	mg/l as C	<1	17	16	16	26	29	29	26	24
Chromium	mg/l as C	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Copper	mg/l	<0.001	0	0	0	0	0	0	0	0
Fluoride	mg/l	NR	NR	NR	NR	NR	NR	NR	NR	NR
Hardness	mg/l	29.000	89.000	43.000	44.000	53.000	56.000	57.000	54.000	54.000
Iron	mg/l	0	0	0	0	0	0	0	<0.005	0.0
Lead	mg/l as CaCO ₃	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/l	3.000	13.000	5.000	5.000	6.000	6.000	6.000	6.000	6.000
Manganese	mg/l	<0.005	0.009	0.009	0.014	<0.005	<0.005	<0.005	<0.005	<0.005
Nitrate + Nitrite	mg/l	<0.01	0	1	0	0	0	0	0	0
Organic Carbon, Dissolved	mg/l	NR	3.700	2.500	2.600	2.300	2.100	2.050	NR	2.000
Organic Carbon, Total	mg/l as N	NR	4.40	2.60	2.70	2.30	2.20	2.10	2.20	1.90
Phosphate-Ortho	mg/l as P	<0.01	0.18	0.06	0.05	0.07	0.06	NR	0.07	0.08
Phosphorus-Total	mg/l	0.01	0.42	0.12	0.10	0.10	0.11	0.12	0.12	0.10
Selenium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Sodium	mg/l	3	24	15	14	21	23	23	21	20
Specific Conductance	µS/cm	72	294	170	166	211	190	237	220	222
Sulfate	mg/l	1	20	16	14	18	19	20	18	19
Total Dissolved Solids	mg/l	47	162	98	92	122	136	135	121	122
Turbidity	NTU	3	34	20	10	7	11	13	17	4
Zinc	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

mg/l milligrams per liter

µg/l micrograms per liter

µS/cm microSiemens per centimeter

NR - Not Reported

NTU - nephelometric turbidity units

Table 33. Water Quality At Selected Delta Stations

July 2011

Date	Antioch Tides (feet above mean sea level)		Flow In CFS				Electrical Conductivity in millisiemens/cm								Cl in mg/l	
			Net Delta Outflow Index		Rio Vista	Antioch	Chipps Island	Emmaton		Jersey Point		Clifton Court	Cache Slough	Delta Mendota Canal		
	Highest High Tide	Actual High Half Tide	Mean Daily	Monthly Average				md	md	md	14dm	md	14dm	md	md	
38	1	6.79	4.66	41,371	41,371	34,190	0.13	0.14	0.11	0.10	0.12	0.13	0.20	0.58	0.21	82
	2	6.91	4.79	42,568	41,969	33,410	0.13	0.14	0.11	0.10	0.12	0.13	0.19	0.54	0.16	82
	3	6.80	4.78	39,063	41,001	29,360	0.13	0.13	0.11	0.10	0.12	0.13	0.19	0.51	0.15	82
	4	6.60	4.72	35,097	39,525	26,963	0.13	0.13	0.12	0.11	0.12	0.13	0.20	0.52	0.15	82
	5	6.30	4.68	32,937	38,207	25,938	0.13	0.13	0.12	0.11	0.12	0.12	0.20	0.53	0.15	69
	6	6.22	4.60	31,280	37,053	26,230	0.13	0.13	0.13	0.11	0.12	0.12	0.21	0.50	0.16	69
	7	6.40	4.56	29,762	36,011	25,848	0.13	0.13	0.13	0.11	0.12	0.12	0.21	0.48	0.17	65
	8	6.72	4.58	27,805	34,985	23,955	0.13	0.15	0.13	0.11	0.12	0.12	0.20	0.52	0.15	71
	9	6.95	4.73	25,745	33,959	21,779	0.14	0.18	0.12	0.11	0.12	0.12	0.19	0.51	0.14	71
	10	7.03	4.74	23,565	32,919	19,786	0.14	0.15	0.12	0.12	0.12	0.12	0.19	0.49	0.13	71
	11	6.96	4.71	22,491	31,971	19,106	0.14	0.20	0.12	0.12	0.12	0.12	0.18	0.47	0.13	57
	12	7.07	4.76	19,285	30,914	16,740	0.14	0.26	0.12	0.12	0.12	0.12	0.18	0.48	0.13	54
	13	7.09	4.75	16,748	29,824	15,665	0.14	0.29	0.12	0.12	0.12	0.12	0.19	0.51	0.17	50
	14	6.92	4.63	15,161	28,777	14,798	0.14	0.33	0.12	0.12	0.12	0.12	0.19	0.50	0.22	33
	15	6.83	4.59	14,891	27,851	12,050	0.15	0.38	0.12	0.12	0.12	0.12	0.17	0.48	0.23	25
	16	6.64	4.52	14,949	27,045	10,279	0.15	0.38	0.12	0.12	0.12	0.12	0.15	0.46	0.22	25
	17	6.33	4.44	14,873	26,329	10,319	0.15	0.32	0.12	0.12	0.12	0.12	0.15	0.47	0.22	25
	18	6.03	4.36	14,288	25,660	10,316	0.15	0.25	0.12	0.12	0.12	0.12	0.16	0.55	0.23	23
	19	5.60	4.22	13,957	25,044	10,610	0.15	0.19	0.12	0.12	0.12	0.12	0.17	0.59	0.25	22
	20	5.62	4.10	13,998	24,492	10,716	0.14	0.19	0.12	0.12	0.12	0.12	0.17	0.58	0.24	21
	21	5.96	4.22	13,567	23,971	10,438	0.15	0.31	0.12	0.12	0.12	0.12	0.16	0.60	0.24	21
	22	6.17	4.47	11,329	23,397	9,980	0.15	0.61	0.13	0.12	0.13	0.12	0.16	0.61	0.25	21
	23	6.35	4.51	10,053	22,817	9,703	0.16	1.00	0.13	0.12	0.13	0.12	0.16	0.59	0.25	21
	24	6.35	4.52	8,997	22,241	9,378	0.17	1.12	0.13	0.12	0.13	0.13	0.16	0.51	0.25	21
	25	6.45	4.51	8,443	21,689	9,344	0.19	1.13	0.14	0.12	0.13	0.13	0.17	0.51	0.25	20
	26	6.61	4.54	8,084	21,166	9,264	0.24	1.33	0.14	0.13	0.13	0.13	0.17	0.56	0.25	20
	27	6.61	4.59	7,741	20,668	9,285	0.30	1.72	0.14	0.13	0.14	0.13	0.17	0.52	0.26	20
	28	6.80	4.70	7,383	20,194	9,178	0.37	2.21	0.16	0.13	0.14	0.13	0.18	0.51	0.25	20
	29	7.03	4.80	6,984	19,738	8,998	0.47	3.03	0.18	0.13	0.16	0.13	0.18	0.50	0.26	20
	30	7.03	4.73	6,581	19,300	8,758	0.54	3.29	0.21	0.14	0.16	0.13	0.18	0.48	0.25	20
	31	6.82	4.66	6,368	18,883	8,615	0.58	3.28	0.21	0.15	0.17	0.14	0.19	0.46	0.26	17

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

N.R. = No Record.

N.C. = Not computed due to insufficient data.

f = Excess Delta conditions with fish concerns.

r = Excess delta conditions with export/inflow ratio concerns.

s = Balanced water conditions with storage withdrawals.

dm = Daily Mean

md = Mean Daily

Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP

July 2011

Sampling Location	Sample Date 1/	Chemical Detected	Concentration µg/l 2/
North Bay Aqueduct At Barker Slough Pumping Plant	June 15, 2011	Metolachlor	0.30
California Aqueduct At Banks Pumping Plant	June 15, 2011	Metolachlor	0.10
O'Niell Forebay Outlet Check 13	June 14, 2011	Simazine	0.07
Delta Mendota Canal At McCabe Road	June 14, 2011	Chlorpyrifos	0.05
California Aqueduct Near Kettleman City (Check 21)	June 14, 2011	Metolachlor	0.10
California Aqueduct At Near Highway 119 (Check 29)	June 14, 2011	Metolachlor	0.10
California Aqueduct at Tehachapi Afterbay (Check 41)	June 14, 2011	Metolachlor	0.10
California Aqueduct At Devil Canyon Headworks	June 15, 2011	Simazine	0.02

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

Table 35. Oroville and Delta Field Divisions Energy Data

Date	Oroville Thermalito Complex		Barker Slough Pumping Plant	Cordelia Pumping Plant Load	Banks Pumping Plant		South Bay Pumping Plant Load	Del Valle Pumping Plant Load	July 2011
	Generation	Load			Total Load	SWP Load			
1	7,553,139	0	31,431	40,054	3,827,896	3,827,896	430,425	431	
2	8,878,584	0	34,024	39,710	3,909,352	3,909,352	422,933	533	
3	8,900,364	0	33,821	42,522	3,909,120	3,909,120	427,276	572	
4	8,744,318	0	39,682	42,972	3,916,296	3,916,296	445,211	583	
5	7,213,019	0	41,710	44,289	3,916,848	3,916,848	435,908	511	
6	7,205,693	0	46,967	48,412	3,883,232	3,883,232	436,757	429	
7	7,248,373	0	33,593	40,983	3,907,336	3,907,336	446,753	420	
8	7,163,783	0	35,938	45,381	3,902,360	3,902,360	455,859	418	
9	5,893,030	0	42,233	48,870	3,868,656	3,868,656	456,113	429	
10	6,292,253	0	39,731	43,053	3,857,504	3,857,504	442,553	433	
11	4,002,262	99	33,092	40,165	3,621,816	3,621,816	451,792	461	
12	6,217,992	0	32,533	36,456	3,910,072	3,910,072	435,638	490	
13	6,887,793	0	29,251	41,768	3,947,392	3,947,392	451,786	483	
14	7,609,338	0	37,409	41,372	3,884,440	3,884,440	456,740	557	
15	6,473,126	0	42,325	45,881	3,946,608	3,946,608	456,942	619	
16	7,097,475	0	41,101	43,080	3,955,832	3,955,832	447,495	578	
17	7,093,504	0	37,381	41,194	3,959,336	3,959,336	434,366	510	
18	7,059,602	0	38,343	44,241	3,515,664	3,515,664	430,694	528	
19	7,033,730	0	39,501	43,792	3,961,728	3,961,728	385,354	457	
20	6,687,450	0	38,418	45,411	3,947,496	3,947,496	385,324	465	
21	6,655,583	0	43,395	45,686	3,931,304	3,931,304	385,233	484	
22	6,517,049	0	43,736	45,037	4,078,824	4,078,824	385,130	513	
23	6,058,855	0	38,233	43,490	4,046,584	4,046,584	382,520	626	
24	5,478,297	0	34,120	40,473	3,923,536	3,923,536	385,163	673	
25	2,300,287	0	31,169	34,518	4,058,664	4,058,664	385,266	612	
26	4,725,160	0	41,464	46,909	3,943,168	3,943,168	385,428	585	
27	4,819,111	0	41,219	45,487	3,953,104	3,953,104	413,386	551	
28	4,830,276	0	37,054	42,484	3,959,784	3,959,784	456,140	503	
29	4,828,483	0	46,387	47,294	3,933,440	3,933,440	456,093	572	
30	4,807,506	0	44,928	46,706	3,921,944	3,921,944	456,041	560	
31	4,799,586	0	39,869	40,480	3,933,432	3,933,432	430,448	583	
Total	197,075,021	99	1,190,059	1,338,168	121,232,768	121,232,768	13,256,761	16,170	

Table 36. San Luis Field Division Energy Data

(in kWh)

July 2011

Date	Dos Amigos Pumping Plant		Gianelli Pumping-Generating Plant			
	Total Load	SWP Load 1/	Total Generation	SWP Generation 1/	Total Load	SWP Load 1/
1	2,618,390	1,738,390	0	0	98,274	98,274
2	2,680,447	1,800,447	0	0	1,015,729	1,015,729
3	2,553,039	1,521,039	0	0	999,515	999,515
4	2,355,016	1,323,016	0	0	18,887	18,887
5	2,469,496	1,453,496	788,018	-38,982	4,587	4,587
6	2,676,478	1,660,478	0	0	18,711	18,711
7	2,736,326	1,720,326	0	0	1,012,616	1,012,616
8	2,933,593	1,917,593	0	0	551,936	551,936
9	3,149,669	2,133,669	0	0	17,402	17,402
10	2,563,893	1,531,893	0	0	16,852	16,852
11	2,741,326	1,725,326	533,456	533,456	9,009	9,009
12	3,099,573	2,083,573	1,063,469	1,063,469	0	0
13	3,163,563	2,147,563	1,593,625	513,625	0	0
14	3,055,909	1,967,909	2,128,258	2,128,258	0	0
15	2,840,222	1,480,222	2,111,857	47,857	0	0
16	2,891,176	1,531,176	2,092,398	28,398	0	0
17	2,719,845	1,359,845	2,069,628	-90,372	0	0
18	2,688,682	1,328,682	1,529,561	-630,439	0	0
19	2,988,128	1,628,128	1,012,253	-43,747	0	0
20	2,812,930	1,452,930	1,013,925	-42,075	0	0
21	2,847,668	1,487,668	1,016,147	-15,853	0	0
22	2,834,795	1,338,795	1,018,996	-13,004	0	0
23	2,918,813	1,422,813	2,047,672	-16,328	0	0
24	2,712,679	1,200,679	1,014,464	-17,536	0	0
25	2,599,528	1,103,528	1,008,953	-23,047	0	0
26	2,937,589	1,441,589	2,026,167	-37,833	0	0
27	2,802,848	1,306,848	2,009,975	-54,025	0	0
28	3,112,112	1,616,112	998,019	-33,981	0	0
29	3,084,496	2,068,496	2,019,567	2,019,567	0	0
30	3,061,006	2,045,006	2,014,650	2,014,650	0	0
31	2,841,799	1,809,799	2,001,450	2,001,450	0	0
Total	87,491,032	50,347,032	33,112,508	9,293,508	3,763,518	3,763,518

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

Table 37. San Joaquin Field Division Plant Energy Load Data

(in kWh)

July 2011

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devil's Den	Bluestone	Polonio	Buena Vista	Teerink	Chrisman	Edmonston
1	45,539	111,163	68,257	63,006	67,710	1,600,007	1,615,838	3,446,124	12,396,699
2	51,528	123,953	53,439	49,792	56,420	1,623,190	1,615,153	3,452,702	12,566,907
3	55,252	133,864	66,785	61,807	66,803	1,522,201	1,569,393	3,410,110	12,446,433
4	55,463	135,211	66,826	61,205	65,194	1,309,855	1,363,896	2,884,299	10,428,939
5	46,845	116,367	64,660	60,272	65,552	1,359,500	1,313,917	2,757,590	10,225,737
6	57,349	142,264	69,574	64,787	69,793	1,462,973	1,391,074	2,912,624	10,129,455
7	63,643	159,412	74,205	68,549	73,965	1,315,341	1,279,910	2,667,566	9,616,671
8	61,140	152,043	71,880	65,710	71,980	1,375,924	1,337,783	2,823,040	10,193,796
9	59,457	147,230	63,433	59,648	63,802	1,664,309	1,664,487	3,546,653	13,134,933
10	53,206	135,747	71,915	66,570	73,676	1,675,935	1,691,896	3,677,344	13,437,036
11	52,844	130,208	58,132	53,158	56,964	1,644,736	1,716,516	3,684,967	13,562,775
12	58,553	146,849	75,734	70,918	75,959	1,709,239	1,686,589	3,611,674	13,140,792
13	63,422	157,827	68,461	64,225	68,499	1,743,199	1,696,963	3,589,553	12,879,297
14	59,601	149,838	66,094	61,481	67,523	1,644,356	1,591,418	3,385,030	12,048,534
15	53,841	130,629	68,903	63,617	68,902	1,727,741	1,786,925	3,849,769	14,126,400
16	55,870	133,218	58,059	53,626	58,416	1,788,124	1,840,352	3,991,416	14,672,232
17	58,195	143,029	56,019	51,657	56,431	1,744,571	1,866,994	4,100,151	15,191,280
18	54,673	132,054	65,759	61,112	65,946	1,632,866	1,705,072	3,659,821	13,449,726
19	56,226	135,788	63,538	58,889	64,467	1,646,462	1,704,872	3,683,900	13,393,836
20	58,349	140,828	76,505	70,526	76,495	1,703,608	1,724,504	3,688,014	13,322,286
21	56,000	139,206	67,308	62,995	67,484	1,647,792	1,669,583	3,548,171	12,910,293
22	55,378	131,409	67,229	62,794	67,488	1,559,144	1,507,871	3,212,660	11,673,936
23	57,253	142,536	67,731	63,529	68,151	1,614,231	1,646,829	3,550,195	13,051,044
24	56,366	135,858	75,757	71,928	76,048	1,453,774	1,556,741	3,381,576	12,424,860
25	49,194	121,475	68,137	63,528	68,115	1,516,568	1,572,831	3,451,525	12,524,841
26	45,797	115,581	67,118	62,433	67,364	1,533,276	1,526,639	3,255,571	11,691,243
27	50,377	127,272	65,044	60,347	66,411	1,611,247	1,696,216	3,680,831	13,354,065
28	53,503	128,061	64,360	61,127	63,947	1,714,768	1,773,670	3,776,927	13,819,518
29	55,473	134,279	69,275	64,406	69,934	1,675,723	1,641,496	3,515,490	12,576,249
30	42,943	108,794	67,006	62,406	67,085	1,792,607	1,833,721	4,007,861	14,714,973
31	27,834	70,781	68,531	63,947	69,253	1,664,005	1,735,326	3,846,469	14,193,495
Total	1,671,114	4,112,772	2,075,674	1,929,995	2,085,775	49,677,269	50,324,474	108,049,623	393,298,281

Table 38. Southern Field Division Energy Data

(in kWh)

July 2011

Date	West Branch			East Branch				East Branch Extension		
	Oso Pumping Plant Load	Warne Powerplant Generation	Castaic SWP Gen /1	Alamo Powerplant Generation	Pearblossom Pumping Plant Load	Devil Canyon Powerplant Generation	Mojave Siphon Powerplant Generation	Green spot Pumping Plant	Crafton Hills Pumping Plant	Cherry Valley Pumping Plant
1	286,516	657,858	1,152,000	331,386	2,724,122	4,555,692	296,744	36,893	50,100	554
2	294,151	766,730	1,152,000	331,719	2,697,084	4,274,856	304,337	36,873	50,169	616
3	225,563	494,262	1,152,000	341,048	2,658,808	4,514,962	296,888	36,610	50,172	617
4	108,478	678	768,000	329,261	2,660,685	4,676,731	282,613	38,133	50,159	699
5	129,774	0	0	308,092	2,654,759	4,493,599	246,547	46,807	50,232	669
6	88,057	69,514	0	317,055	2,421,475	4,757,620	280,722	46,678	50,187	605
7	7,220	206,798	0	306,974	2,651,951	4,562,993	296,942	40,642	50,165	699
8	6,775	885,195	1,488,000	328,767	2,502,040	4,764,982	292,142	36,891	50,139	632
9	300,096	895,757	1,488,000	316,151	2,654,156	4,513,871	283,429	36,823	50,158	594
10	390,489	904,851	1,488,000	326,968	2,653,102	4,499,680	297,003	36,857	50,105	577
11	364,545	885,503	1,488,000	319,761	2,653,619	4,730,407	297,403	25,137	34,405	608
12	408,832	864,734	1,488,000	312,578	2,654,538	4,433,861	287,253	17,433	22,099	525
13	365,261	868,196	1,488,000	309,592	2,644,757	4,565,084	272,838	31,617	43,238	473
14	251,139	874,919	1,488,000	307,623	2,613,827	4,472,471	301,599	34,323	47,328	504
15	474,098	870,056	1,488,000	307,008	2,638,602	4,758,772	285,216	36,787	49,954	489
16	517,142	879,998	1,488,000	306,194	2,651,477	4,600,768	287,918	36,463	49,947	482
17	563,888	882,684	1,488,000	314,312	2,652,445	4,659,674	303,682	36,652	50,016	515
18	416,354	881,615	1,488,000	331,631	2,652,994	4,613,886	298,938	37,536	50,056	2,965
19	427,075	872,041	1,488,000	329,604	2,648,297	4,519,357	280,398	37,701	50,108	3,909
20	401,990	872,267	1,488,000	331,766	2,653,634	4,517,269	289,394	36,928	50,078	3,521
21	467,504	872,681	1,488,000	320,026	2,485,462	4,648,104	266,936	34,722	47,206	4,143
22	241,613	872,983	1,488,000	327,265	2,648,287	4,530,640	296,752	36,364	49,991	4,438
23	381,761	872,907	1,488,000	309,404	2,541,674	4,707,032	265,574	36,329	50,010	4,108
24	254,470	873,682	1,488,000	311,599	2,646,533	4,816,994	291,193	36,436	50,104	4,631
25	349,333	872,581	1,488,000	318,093	2,649,955	4,751,176	282,947	35,157	47,534	4,702
26	386,923	872,400	1,488,000	269,237	2,240,833	4,865,501	260,392	37,827	50,112	4,595
27	394,716	871,601	1,488,000	315,329	2,556,473	4,674,917	291,997	36,677	49,983	4,397
28	419,507	870,129	1,488,000	310,504	2,707,375	4,527,428	283,244	36,373	49,988	4,404
29	270,117	866,587	1,488,000	308,699	2,768,837	4,437,220	314,020	37,012	50,032	4,412
30	411,682	865,731	1,488,000	317,739	2,770,266	4,355,492	300,892	37,149	50,099	4,249
31	377,849	869,767	1,488,000	308,279	2,775,821	4,573,015	310,883	43,511	50,099	4,287
Total	9,982,917	23,214,703	39,936,000	9,823,664	81,533,888	142,374,053	8,946,833	1,131,342	1,493,973	68,621

1/ Energy delivered to SWP by LADWP at Sylmar substation; not necessarily related to actual Castaic operations.